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Precipitates, hydration of (PICKERING), T., 123; P., 12.
Prunus serotina, constituents of bark of (POWER and MOORE), T., 243; P., 27.
Pyridine compounds, relation between constitution and absorption spectra of (PURVIS), T., 294; P., 14.
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Pyrones and allied compounds, relation between absorption spectra and chemical constitution of (BALY, COLLIE, and WATSON), T., 144.

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*iso***Quercitrin**, $C_{21}H_{22}O_{12}$.
*iso***Quinoline** derivatives (PYMAN), T., 1266, 1738; P., 190, 230.

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Refractive power. See under Photochemistry.
Rotation. See under Photochemistry.
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Senecifolidine, $C_{18}H_{25}O_7N$.
Senecifoline, $C_{18}H_{27}O_8N$.
Senecifolinine, $C_9H_{11}O_2N$.
Senecio latifolius, alkaloids of (WATT), T., 466; P., 68.
Silicates, formation of (COBB), P., 165.
Silicochloroform, action of, on potassium pyrrole (REYNOLDS), T., 508.
Silicon, preparation of (PRING and FIELDING), T., 1501; P., 215.
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Silicon *tetra*bromide, additive compounds of, with pyridine, acetonitrile, and propionitrile (REYNOLDS), T., 513.
*tetra*chloride, benzyl and ethyl derivatives of (MARTIN and KIPPING), T., 302; P., 27.
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Solids, the miscibility of (*solid solutions*) (VANSTONE), T., 590; P., 30.
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Steric hindrance, experiments with secondary amines with reference to (MELDOLA and HAY), T., 1037; P., 167.
Steric influence, a study in (DAVIS), T., 1397; P., 197.
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Sulphinic acids, aromatic, isolation of (THOMAS), T., 342; P., 60.
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Thionyl chloride, action of mercaptans on (TASKER and JONES), T., 1910; P., 247.
Sulphuryl chloride, action of mercaptans on (TASKER and JONES), T., 1910; P., 247.
Sulphur *mono*chloride, action of, on salts of organic acids (DENHAM), T., 1235; P., 179.
*di*oxide, production of ozone in the interaction between hydrogen peroxide and (FERRABOSCHI), P., 179.
Sulphuric acid, constitution of (FRIEND), P., 91.
Sulphurous acid, constitution of (FRIEND), P., 91.
Sulphates, volumetric estimation of (MITCHELL and SMITH), T., 2198; P., 291.
Sulphur organic compounds, relation between refractive power and chemical activity of (CLARKE and SMILES), T., 992; P., 145.
Synthesis, asymmetric, studies in (MCKENZIE and MÜLLER), T., 544; P., 88; (MCKENZIE and HUMPHRIES), T., 1105; P., 164.

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Tephrosia purpurea, a glucoside from (CLARKE and BANERJEE), P., 16.
Terpenes, chemistry of (HENDERSON and AGNEW), T., 289; P., 35; (HENDERSON and CAMERON), T., 969; P., 151.
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Thespesia lampas, colouring matters of flowers of (PERKIN), T., 1855; P., 248.
Thiocarbamides, action of hydrogen dioxide on (BARNETT), P., 305.
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Triphenylmethane dyes, rate of reaction of, with acid and alkali (SIDGWICK and MOORE), T., 889; P., 123; (SIDGWICK and RIVETT), T., 899; P., 124.
Tropeines, relation between chemical constitution and physiological action in the (JOWETT and PYMAN), T., 1020; P., 165.
Tungsten, preparation of (PRING and FIELDING), T., 1502; P., 215.
volumetric estimation of (KNECHT and HIBBERT), P., 227.
Tyrosinase, new variety of (GORTNER), P., 306.

U.

Unsaturated compounds, theory regarding the configuration of certain (BAKER), P., 223.

Unsaturated groups, contiguous, effect of, on optical activity (HILDITCH), T., 331, 1570, 1578; P., 29, 214.

V.

Vanadium, colorimetric estimation of small quantities of (GREGORY), P., 232.

Vapour pressures, measurement of (CUMMING), T., 1772; P., 237.

Velocity of hydrolysis. See under Affinity, chemical.

Violuric acid, thio-, group, coloured salts and derivatives of the (ISHERWOOD), P., 120.

Viscosity and association in binary mixtures of liquids (SENTER), P., 292.

and chemical constitution, relation between (DUNSTAN and THOLE), T., 1556; P., 219.

and hydration in solution (DUNSTAN and THOLE), T., 1556; P., 219.

Volumes, atomic, of phosphorus (PRIDEAUX), T., 445.

molecular, of the nitrites of barium, strontium, and calcium (RÂY), T., 66.

W.

Walden inversion, experiments on the (MCKENZIE and CLOUGH), T., 777; P., 70.

Water, constitution of (PICKERING), T., 127.

Weights, correction of, of substances weighed in air to weights in a vacuum (SCOTT), P., 286.

Woods, irritant, examination of (AULD), T., 964; P., 148.

X.

Xanthens, formation of (POPE and HOWARD), P., 304.

Xanthoeridol, $C_{18}H_{14}O_7$.

Z.

Zirconium metal, analytical investigation of (WEDEKIND and LEWIS), T., 456; P., 60.

FORMULA INDEX.

THE following index of organic compounds of known empirical formula is arranged according to Richter's system (see *Lexikon der Kohlenstoff-Verbindungen*).

The elements are given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C_1 group, C_2 group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

Simple metallic salts of acids are indexed under the respective acids.

Simple salts of bases (for example, hydrochlorides, platinichlorides, and picrates), when described for the purpose of further identifying the base, are indexed under the latter.

C_1 Group.

CH_2O_2 Formic acid, constitution of (FRIEND), P., 91.

CH_4O Methyl alcohol, viscosity-concentration curves for, and water (DUNSTAN and THOLE), T., 1559; P., 219.

CH_5N Methylamine, preparation and crystallography of the styphnate (JERUSALEM), T., 1285; cobaltinitrite of (CUNNINGHAM and PERKIN), T., 1564.

1 III

CH_4ON_2 Carbamide, synthesis of *p*-urazine from (CHATTAWAY), T., 235; P., 10.

1 IV

$CH_2ON_2Cl_2$ Dichlorocarbamide, preparation of (CHATTAWAY), T., 464; P., 72.

C_2 Group.

$C_2H_4O_2$ Acetic acid, action of sulphur monochloride on silver salt of (DENHAM), T., 1238; P., 179; viscosity-concentration curves for, and water (DUNSTAN and THOLE), T., 1559; P., 219.

$C_2H_4Br_2$ Ethylene dibromide, action of, on methylaniline (DUNLOP and JONES), T., 416; P., 61.

C_2H_6O Ethyl alcohol, viscosity-concentration curves for, and water (DUNSTAN and THOLE), T., 1559; P., 219.

C_2H_7N Dimethylamine, preparation and crystallography of the styphnate of (JERUSALEM), T., 1285.

Ethylamine, preparation of cobaltinitrite of (CUNNINGHAM and PERKIN), T., 1565; preparation and crystallography of the styphnate of (JERUSALEM), T., 1287; condensation of dimethyldihydroresorcin with (HAAS), T., 421; P., 19.

$C_2O_2Cl_2$ Oxalyl chloride, action of mercaptans on (JONES and TASKER), T., 1904; P., 247.

2 III

$C_2H_2O_2S_2$ Dithio-oxalic acid, ammonium, potassium, and potassium nickelo-salts (JONES and TASKER), T., 1906; P., 160, 247.

$C_2H_2O_3S$ Thio-oxalic acid, potassium salt (JONES and TASKER), P., 160.

$C_2H_3O_2Br$ Bromoacetic acid, interaction of, and its sodium salt, with water and with alkali (SENTER), T., 1827; P., 236.

$C_2H_4O_2N_4$ *p*-Urazine, synthesis from carbamide (CHATTAWAY), T., 235; P., 10.

C_2H_5OCl Monochloromethyl ether, syntheses with the aid of (SIMONSEN and STOREY), T., 2106; P., 290.

2 IV

$C_2H_2ON_3Cl$ Triazoacetyl chloride (FORSTER and MÜLLER), T., 200.

$C_2H_3ON_2Cl_3$ Methyltrichlorocarbamide (CHATTAWAY and WÜNSCH), T., 131.

C_3 Group.

C_3H_6O Acetone, dynamics of the reaction between iodine and (DAWSON and LESLIE), T., 1860; P., 246; condensation of, with hippuric acid (PERKIN and SIMONSEN), P., 164.

$C_3H_6O_2$ Propionic acid, action of sulphur monochloride on silver salt of (DENHAM), T., 1238.

$C_3H_6O_3$ *d*-Lactic acid, asymmetric synthesis of (MCKENZIE and MÜLLER), T., 545.

C_3H_8O *n*-Propyl alcohol, viscosity-concentration curves for, and water (DUNSTAN and THOLE), T., 1559; P., 219.

C_3H_9N Trimethylamine, preparation and crystallography of the styphnate of (JERUSALEM), T., 1286.

3 III

$C_3H_4ON_2$ *iso*Iminazolone (FENTON and WILKS), T., 1329; P., 192.

C_3H_5OCl Epichlorohydrin, action of potassium hydroxide on, in presence of monohydric phenols (BOYD and MARLE), T., 1807; P., 235.

$C_3H_5O_2Br$ α-Bromopropionic acid, interaction of, and its sodium salt, with water and with alkali (SENTER), T., 1827; P., 236.

$C_3H_5O_9N_3$ Glyceryl trinitrate (nitroglycerin), velocity of decomposition of, by heat (ROBERTSON), T., 1241; P., 179.

$C_3H_7O_2N$ Ethyl carbamate, action of, on esters of organic acids and thiocarbimides (RUHEMANN and PRIESTLEY), T., 449; P., 62.

$C_3H_9O_3Sb$ Methyl antimonite (MACKEY), T., 607; P., 98.

C_3H_9ClPt Trimethylplatinic chloride (POPE and PEACHEY), T., 575.

C_3H_9IPt Trimethylplatinic iodide (POPE and PEACHEY), T., 571.

$C_3H_{10}OPt$ Trimethylplatinic hydroxide (POPE and PEACHEY), T., 573.

3 IV

$C_3H_5ON_2Cl_3$ Ethyltrichlorocarbamide (CHATTAWAY and WÜNSCH), T., 133.

$C_3H_5O_2N_2Cl$ Acetylchlorocarbamide (CHATTAWAY and WÜNSCH), T., 129.

$C_3H_6ON_2Cl_2$ Ethyldichlorocarbamide (CHATTAWAY and WÜNSCH), T., 132.

s-Dimethyldichlorocarbamide (CHATTAWAY and WÜNSCH), T., 131.

as-Dimethyldichlorocarbamide (CHATTAWAY and WÜNSCH), T., 132.

$C_3H_{12}N_2IPt$ Diamminotrimethylplatinic iodide (POPE and PEACHEY), T., 573.

$C_3H_{18}O_4N_2Cl_2$ 8:9-Dichloro-7:10-dianilino-1:6-dihydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 288.

C_4 Group.

C_4H_5N Pyrrole, preparation of, and action of silicochloroform on the potassium derivative of (REYNOLDS), T., 508.

$C_4H_6O_3$ *d*-α-Methylglycidic acid, potassium salt (KAY), T., 563; P., 90.

$C_4H_6O_6$ Tartaric acid, substituted amides of (JACKSON and NEVILLE), P., 226; resolution of the *dl*-acid (KIPPING), T., 412; P., 56.

$C_4H_8O_4$ *d*-α-Methylglyceric acid, conversion of *d*-β-amino-α-hydroxy*iso*butyric acid into, and potassium salt of (KAY), T., 560; P., 90.

$C_4H_{10}O$ Ethyl ether, influence of water and alcohol on the boiling point of (WADE and FINNEMORE), T., 1842; P., 236.

$C_4H_{11}N$ Diethylamine, cobaltinitrite of (CUNNINGHAM and PERKIN), T., 1565

4 III

$C_4H_2O_4N_2$ Tetraketopiperazine, reactions of (DE MOUILPIED and RULE), T., 549; P., 71.

$C_4H_3O_4N_3$ Violuric acid, colour of aqueous solutions of (DONNAN and SCHNEIDER), T., 956; P., 148.

$C_4H_4O_3N_2$ Barbituric acid, constitution of the salts of (WOOD and ANDERSON), T., 979; P., 154.

$C_4H_4O_3N_6$ Triazoacetic anhydride (FORSTER and MÜLLER), T., 201.

$C_4H_6O_2N_6$ Triazoethyl triazoacetate (FORSTER and MÜLLER), T., 200.

$C_4H_6O_2S_2$ Methyl dithio-oxalate (JONES and TAŠKER), T., 1906; P., 247.

$C_4H_6O_4S_2$ Substance, from action of sulphur monochloride on silver acetate (DENHAM), T., 1238.

$C_4H_7O_2N_3$ *l*-α-Triazobutyric acid (FORSTER and MÜLLER), T., 195.

$C_4H_7O_2Br$ α-Bromobutyric acid, interaction of, and its sodium salt, with water and with alkali (SENTER), T., 1827; P., 236.

$C_4H_7O_2N_3$ α-Triazobutyric acid, and its silver salt, and resolution of (FORSTER and MÜLLER), T., 193.

α-Triazo*iso*butyric acid, and its potassium and silver salts (FORSTER and MÜLLER), T., 196.

$C_4H_7O_3N$ Ethyl formylcarbamate (RUHEMANN and PRIESTLEY), T., 454; P., 62.

$C_4H_7O_3N_3$ Ureidomalonamide (WOOD and ANDERSON), T., 982; P., 154.

$C_4H_7O_3Br$ *d*-β-Bromo-α-methyl-lactic acid (*d-β-bromo-α-hydroxyisobutyric acid* (KAY), T., 562; P., 90.

$C_4H_8ON_4$ α- and *l*-α-Triazobutyramide (FORSTER and MÜLLER), T., 194.

α-Triazo*iso*butyramide (FORSTER and MÜLLER), T., 197.

$C_4H_9O_3N$ *d*-β-Amino-α-hydroxy*iso*butyric acid (*d-α-methylisoserine*), conversion of, into *d*-α-methylglyceric acid (KAY), T., 560; P., 90.

C_4H_9NPt Trimethylplatinic cyanide (POPE and PEACHEY), T., 576.

$C_4H_{10}OSi$ Diethylsilicone (MARTIN and KIPPING), T., 313; P., 28.

$C_4H_{10}O_2Ca$ Calcium ethoxide, and condensations by (PERKIN and PRATT), T., 161; P., 18.

$C_4H_{10}O_4S_2$ Dimethyl dithiodiglycollate, preparation of (PRICE and TWISS), T., 1491; P., 211.

4 IV

$C_4H_3O_3N_3S$ Thiovioluric acid, and its metallic salts (ISHERWOOD), P., 120.

$C_4H_6N_2Br_4Si$ Substance, from silicon tetrabromide and acetonitrile (REYNOLDS), T., 513.

C_5 Group.

C_5H_5N Pyridine, relation between constitution and absorption spectra of (PURVIS), T., 294; P., 14.

$C_5H_8O_3$ Dimethylpyruvic acid (PERKIN and SIMONSEN), P., 164.

$C_5H_{10}O_5$ $\alpha\beta$-Dihydroxy-γ-methoxybutyric acid, from oxidation of methyl lævulose (IRVINE and HYND), T., 1226; P., 176.

$C_5H_{13}N$ *iso*Amylamine, action of, on *cis*-$\alpha\beta$-dibenzoylstyrene (SMEDLEY), T., 220.

5 III

$C_5H_6O_2N_2$ Acetyl derivative of *iso*iminazolone (FENTON and WILKS), T., 1332.

$C_5H_7O_2N$ Ethyl cyanoacetate, action of thiocarbimides on (RUHEMANN), T., 117; P., 14; condensation of sodium derivative of, with ketones and aldehydes (HAWORTH), T., 480; P., 76; (GARDNER and HAWORTH), T., 1955; P., 250.

$C_5H_9O_2N_3$ α-Triaz*iso*valeric acid, and its silver salt (FORSTER and MÜLLER), T. 198.

$C_5H_9O_3N$ Oxime of dimethylpyruvic acid (PERKIN and SIMONSEN), P., 164.

$C_5H_{10}ON_4$ α-Triaz*iso*valeramide (FORSTER and MÜLLER), T., 199.

$C_5H_{10}O_2N_2$ Hydrazone of dimethylpyruvic acid (PERKIN and SIMONSEN), P., 164.

5 IV

$C_5H_7O_2NS$ Ethyl thiocyanoacetate, preparation of (RUHEMANN), T., 119.

$C_5H_{10}ON_2Cl_2$ *s*-Diethyldichlorocarbamide (CHATTAWAY and WÜNSCH), T., 133.

C_6 Group.

C_6H_6 Benzene, space formulæ for (SHIBATA), T., 1450; P., 209.

6 II

$C_6H_4O_2$ *p*-Benzoquinone, absorption spectra of, in the state of vapour and in solution; constitution of (HARTLEY and LEONARD), T., 34.

$C_6H_6O_2$ Resorcinol, condensation of benzaldehyde with (POPE and HOWARD), P., 304.

Quinol, absorption spectra of (HARTLEY and LEONARD), T., 34.

$C_6H_6O_3$ Hydroxymethylfurfuraldehyde, constitution of (FENTON and ROBINSON), T., 1338.

$C_6H_6O_8$ Dihydroxydiketoadipic acid (FERRABOSCHI), T., 1252; P., 178.

C_6H_7N Aniline, cobaltinitrite of (CUNNINGHAM and PERKIN), T., 1565.

α-Picoline, absorption spectra of, and of its hydrochloride (PURVIS), T., 296; P., 14.

γ-Picoline, preparation of (FLASCHNER), T., 670.

$C_6H_8O_4$ *cyclo*Butane-1:3-dicarboxylic acid, and some of its derivatives (PERKIN and SIMONSEN), T., 1166; P., 178.

$C_6H_8N_2$ Adiponitrile, preparation of, and conversion into 1-imino-2-cyano*cyclo*pentane (THORPE), T., 1902; P., 244.

1-Imino-2-cyano*cyclo*pentane (BEST and THORPE), T., 709; P., 93; formation of, from adiponitrile (THORPE), T., 1903; P., 244.

Phenylhydrazine, action of potassium hypochlorite, and hypobromite, acetylchloro-amino-2:4-dichlorobenzene, hypobromous acid, and bromine on (CHATTAWAY), T., 1070; P., 147.

C_6H_9N β-methyl-β-ethylacrylonitrile (GARDNER and HAWORTH), T., 1961.

$C_6H_{10}O$ 2-Methyl*cyclo*pentan-1-one, preparation of (BEST and THORPE), T., 703; P., 93.

$C_6H_{10}O_2$ β-Methyl-β-ethylacrylic acid (GARDNER and HAWORTH), T., 1962.

$C_6H_{10}O_3$ Ethyl acetoacetate, action of monochloromethyl ether on the sodium derivative (SIMONSEN and STOREY), T., 2106 ; P., 290 ; anomalous viscosity of (THOLE), P., 198.

Propionic anhydride, preparation of (DENHAM), T., 1238 ; P., 179.

$C_6H_{10}O_4$ Ethyl oxalate, action of Grignard's reagent on (INGLIS and MASON), P., 195.

Adipic acid, formation of 1-phenylpyrrolidine-2:5-dicarboxylic acid from (LE SUEUR), T., 273 ; P., 36.

Methoxy-β-methoxycrotonic acid, and its silver salt (SIMONSEN and STOREY), T., 2109.

$C_6H_{10}O_8$ Mucic acid, oxidation of, in presence of iron (FERRABOSCHI), T., 1248 ; P., 178.

Saccharic acid, oxidation of, in presence of iron (FERRABOSCHI), T., 1252 ; P., 178.

$C_6H_{10}O_{10}$ Dihydroxymucic acid (FERRABOSCHI), T., 1252 ; P., 178.

$C_6H_{11}Br$ Bromo*cyclo*hexane, action of, on ethyl sodiomalonate (HOPE and PERKIN), T., 1360 ; P., 207.

$C_6H_{12}O_3$ Ethyl α-hydroxy*iso*butyrate, preparation of (PARRY), P., 305.

$C_6H_{12}O_6$ Glucose, mutarotation of, and its nitrogen derivatives (GILMOUR), P., 225.

$C_6H_{15}N$ Triethylamine, preparation and crystallography of the picrate and styphnate of (JERUSALEM), T., 1281.

6 III

$C_6HO_7N_5$ 2:3:5-Trinitroquinonediazide (MELDOLA and HAY), T., 1383 ; P., 208.

C_6HNCl_6 Hexachloro-α-picoline, absorption spectrum of (PURVIS), T., 298.

$C_6H_2O_6N_4$ Dinitrohydroxyquinonediazide, and its sodium derivative (MELDOLA and HAY), T., 1384.

$C_6H_3O_7N_3$ Picric acid, morphotropic relationships between the derivatives of (JERUSALEM), T., 1275 ; P., 201.

2:3:5-Trinitrophenol, preparation, properties, and metallic derivatives of (MELDOLA and HAY), T., 1382.

$C_6H_3O_8N_3$ Trinitroresorcinol (*styphnic acid*), crystallography of (JERUSALEM), T., 1278.

$C_6H_4O_7N_4$ 2:3:5-Trinitro-4-aminophenol, preparation and properties of (MELDOLA and HAY), T., 1378 ; P., 207.

$C_6H_5O_2N$ Nitrobenzene, reduction of (PERKIN and PRATT), T., 165 ; anomalous viscosity of (THOLE), P., 198.

$C_6H_5O_2Cl$ Chloromethylfurfuraldehyde, new method of preparation of (FENTON and ROBINSON), T., 1339.

$C_6H_5N_2Cl$ Benzenediazonium chloride, determination of the rate of decomposition of (LAMPLOUGH), P., 165.

$C_6H_5N_2Br_3$ Tribromophenylhydrazine, preparation and properties of (CHATTAWAY), T., 865 ; P., 120.

$C_6H_6O_2S$ Benzenesulphinic acid, ferric salt, reactions of (THOMAS), T., 343.

C_6H_6NBr *p*-Bromoaniline, cobaltinitrite of (CUNNINGHAM and PERKIN), T., 1566.

C_6H_7ON 2-Cyano*cyclo*pentan-1-one, and its sodium derivative (BEST and THORPE), T., 709 ; P., 93.

$C_6H_7O_4Br_3$ αβδ-Tribromobutane-βδ-dicarboxylic acid (PERKIN and SIMONSEN), T., 1173.

$C_6H_9O_2N$ δ-Cyanovaleric acid, preparation of, and its silver salt (BEST and THORPE), T., 710 ; P., 94.

$C_6H_9O_4Br$ α-Bromobutane-βδ-dicarboxylic acid (PERKIN and SIMONSEN), T., 1174.

$C_6H_{10}O_2S_2$ Ethyl dithio-oxalate, preparation of (JONES and TASKER), T., 1905; P., 247.

$C_6H_{10}O_4S_2$ Substance, from action of sulphur monochloride on silver propionate (DENHAM), T., 1238.

$C_6H_{11}ON_3$ Semicarbazone of *cyclo*pentanone (BEST and THORPE), T., 702.

$C_6H_{11}O_2N$ Piperidylformanilide (RUHEMANN), T., 119.

$C_6H_{11}O_2N_3$ Ethyl α- and *l*-α-triazobutyrate (FORSTER and MÜLLER), T., 194.
Ethyl α-triaz*oiso*butyrate (FORSTER and MÜLLER), T., 197.

$C_6H_{11}O_3N_3$ Semicarbazone of dimethylpyruvic acid (PERKIN and SIMONSEN), P., 164.

$C_6H_{15}O_3Sb$ Ethyl antimonite (MACKEY), T., 607; P., 98.

6 IV

$C_6H_2O_2NCl_3$ 2:3:4-Trichloropicolinic acid, absorption spectra of (PURVIS), T., 299.

$C_6H_3ON_2Cl_3$ 2:3:4-Trichloropicolinamide, absorption spectrum of (PURVIS), T., 298.

$C_6H_3O_9I_3S$ 2:3:5-Tri-iodobenzenesulphonic acid (+ $3H_2O$), and its metallic salts (BOYLE), T., 1713; P., 35.

2:4:5-Tri-iodobenzenesulphonic acid, and its metallic salts (BOYLE), T., 1715; P., 35.

3:4:5-Tri-iodobenzenesulphonic acid, and its metallic salts (BOYLE), T., 1710; P., 35.

$C_6H_4O_3I_2S$ 2:4-Di-iodobenzenesulphonic acid, and its metallic salts (BOYLE), T., 1710; P., 35.

2:5-Di-iodobenzenesulphonic acid (and + $3H_2O$), and its metallic salts and their solubilities (BOYLE), T., 1701; P., 35.

3:4-Di-iodobenzenesulphonic acid (and + H_2O), and its metallic salts (BOYLE), T., 1695; P., 35.

3:5-Di-iodobenzenesulphonic acid, and its metallic salts (BOYLE), T., 1704; P., 35.

$C_6H_5O_3IS$ Iodobenzene-*m*-sulphonic acid, sodium salt of (BOYLE), T., 1694.

$C_6H_5O_5N_2Na_3$ Substance, from tetraketopiperazine and sodium ethoxide (DE MOUILPIED and RULE), T., 550; P., 71.

$C_6H_{15}O_4SPt_2$ Trimethylplatinic sulphate (+$2H_2O$) (POPE and PEACHEY), T., 575.

6 V

$C_6H_2O_2ClI_3S$ 2:3:5-Tri-iodobenzenesulphonyl chloride (BOYLE), T., 1714.

2:4:5-Tri-iodobenzenesulphonyl chloride (BOYLE), T., 1716.

3:4:5-Tri-iodobenzenesulphonyl chloride (BOYLE), T., 1712.

$C_6H_3O_2ClI_2S$ 2:4-Di-iodobenzenesulphonyl chloride (BOYLE), T., 1710.

2:5-Di-iodobenzenesulphonyl chloride (BOYLE), T., 1703.

3:4-Di-iodobenzenesulphonyl chloride (BOYLE), T., 1697.

3:5-Di-iodobenzenesulphonyl chloride (BOYLE), T., 1707.

$C_6H_3O_2Cl_3I_2S$ 2:5-Di-iodobenzene-sulphonyl chloride dichloride (BOYLE), T., 1704.

$C_6H_3O_3N_2IS$ Diazo-anhydride of iodoaniline-*p*-sulphonic acid (BOYLE), T., 1694.

$C_6H_4O_2NI_3S$ 2:3:5-Tri-iodobenzenesulphonamide (BOYLE), T., 1714

2:4:5-Tri-iodobenzenesulphonamide (BOYLE), T., 1716.

3:4:5-Tri-iodobenzenesulphonamide (BOYLE), T., 1712.

$C_6H_4O_5NIS$ 5-Iodo-2-nitrobenzenesulphonic acid, potassium salt of (BOYLE), T., 1700.

$C_6H_5O_2NI_2S$ 2:4-Di-iodobenzenesulphonamide (BOYLE), T., 1710.
2:5-Di-iodobenzenesulphonamide (BOYLE), T., 1704.
3:4-Di-iodobenzenesulphonamide (BOYLE), T., 1697.
3:5-Di-iodobenzenesulphonamide (BOYLE), T., 1707.
$C_6H_6O_3NIS$ *m*-Iodoaniline-*p*-sulphonic acid (BOYLE), T., 1709.
p-Iodoaniline-*o*-sulphonic acid (BOYLE), T., 1699.

C_7 Group.

C_7H_6O Benzaldehyde, condensation of resorcinol with (POPE and HOWARD), P., 304; oxidation of hydroxy-derivatives of (DAKIN), P., 194.
$C_7H_6O_2$ Benzoic acid, action of sulphur monochloride on sodium salt of (DENHAM), T., 1237; P., 179.
C_7H_7N Methyleneaniline, action of, on *p*-tolylthiocarbimide (SENIER and SHEPHEARD), T., 505.
C_7H_9N Methylaniline, action of ethylene dibromide on (DUNLOP and JONES), T., 416; P., 61.
m-Toluidine, preparation and crystallography of the picrate of (JERUSALEM), T., 1284.
p-Toluidine, cobaltinitrite of (CUNNINGHAM and PERKIN), T., 1566.
$C_7H_{10}O_3$ *cyclo*Hexanone-3-carboxylic acid, synthesis of (DOBSON, FERNS, and PERKIN), T., 2010; P., 263.
$C_7H_{11}N$ β-Methyl-β-propylacrylonitrile (GARDNER and HAWORTH), T., 1963.
ββ-Diethylacrylonitrile (GARDNER and HAWORTH), T., 1965.
$C_7H_{12}O$ 2:5-Dimethyl*cyclo*pentan-1-one, preparation of (BEST and THORPE), T., 705; P., 93.
2-Ethyl*cyclo*pentan-1-one (BEST and THORPE), T., 713; P., 93.
$C_7H_{12}O_2$ β-Methyl-β-propylacrylic acid (GARDNER and HAWORTH), T., 1963.
$C_7H_{12}O_3$ Ethyl dimethylpyruvate (PERKIN and SIMONSEN), P., 164.
$C_7H_{12}O_4$ α-Methyladipic acid, formation of, from δ-cyanohexoic acid (BEST and THORPE), T., 712; P., 93.
Ethyl malonate, action of thiocarbimides on (RUHEMANN), T., 117; P., 14; action of bromo*cyclo*hexane and of 4-bromo-1-methyl*cyclo*hexane on the sodium derivative of (HOPE and PERKIN), T., 1360; P., 207.
$C_7H_{13}Br$ 4-Bromo-1-methyl*cyclo*hexane, action of, on ethyl sodiomalonate (HOPE and PERKIN), T., 1360; P., 207.
$C_7H_{14}O_6$ Methyl lævulose, and its derivatives (IRVINE and HYND), T., 1220; P., 176.

7 III

$C_7H_5O_2N$ 3:4-Dihydroxybenzonitrile (*protocatechuonitrile*) (EWINS), T., 1488; P., 210.
$C_7H_5O_4N$ 4-Nitro-1:2-methylenedioxybenzene, formation of, from piperonal (SALWAY), T., 1163; (PERKIN, ROBINSON, and THOMAS), T., 1980.
$C_7H_5O_5N$ 5-Nitro-1-hydroxy-2:3-methylenedioxybenzene (SALWAY), T., 1161.
C_7H_5NS Phenylthiocarbimide, action of diphenylmethylenediamine on (SENIER and SHEPHEARD), T., 498.
$C_7H_6ON_4$ *p*-Triazobenzaldoxime (FORSTER and DUNN), T., 430.
1-Hydroxy-5-phenyltetrazole (FORSTER), T., 186; P., 25.
C_7H_6OCl Benzhydroximic chloride, interaction of sodium azide and (FORSTER), T., 184; P., 25.

C_7H_7ON Benzamide, action of phosphorus pentachloride on (Titherley and Worrall), T., 1143; P., 150.

$C_7H_7O_5N$ Trihydroxypyridylacetic acid (Best and Thorpe), T., 1528.

$C_7H_8O_2S$ *o*-Toluenesulphinic acid, ferric salt, reactions of (Thomas), T., 343.

p-Toluenesulphinic acid, ferric salt, reactions of (Thomas), T., 344.

$C_7H_8O_4N_2$ Glutazylacetic acid (Best and Thorpe), T., 1528.

C_7H_9ON 2-Cyano-2-methyl*cyclo*pentan-1-one (Best and Thorpe), T., 711; P., 93.

$C_7H_{10}ON_4$ Semicarbazone of 2-cyano*cyclo*pentan-1-one (Best and Thorpe), T., 710.

$C_7H_{11}O_2N$ δ-Cyanohexoic acid, and its silver salt (Best and Thorpe), T. 712.

$C_7H_{11}O_3N$ 4-Oximino*cyclo*hexanecarboxylic acid, optically active (Mills and Bain), P., 177.

$C_7H_{13}O_2N_3$ Ethyl α-triazo*iso*valerate (Forster and Müller), T., 198.

7 IV

$C_7H_4O_2NCl_3$ Methyl 2:3:4-trichloropicolinate, absorption spectrum of (Purvis), T., 299.

C_7H_6ONCl *m*-Chloroformanilide (Davis), T., 1398.

$C_7H_7O_2NS$ Nitrobenzyl mercaptan (*o*-, *m*-, and *p*-), preparation of (Price and Twiss), T., 1725; P., 232.

$C_7H_7O_2N_3S$ Methanesulphonyl-*p*-phenylenediazoimide (Morgan and Pickard), P., 301.

$C_7H_8O_3SSe$ Benzyl selenosulphuric acid, potassium salt (Price and Jones), T., 1729; P., 234.

$C_7H_8O_4NP$ Benzoylphosphamic acid (Titherley and Worrall), T., 1153; P., 150.

$C_7H_9N_4KPt_2$ Potassium trimethylplatinic platinocyanide (Pope and Peachey), T., 576.

$C_7H_{10}O_2N_2S$ Methanesulphonyl-*p*-phenylenediamine (Morgan and Pickard), P., 301.

7 V

$C_7H_5ONCl_3P$ α-Chlorobenzylidenephosphamic chloride (Titherley and Worrall), T., 1149; P., 150.

$C_7H_6O_2NCl_2P$ Benzoylphosphamic chloride (Titherley and Worrall), T., 1151; P., 150.

$C_7H_7O_5NSSe$ Nitrobenzyl selenosulphuric acid (*o*-, *m*-, and *p*-), potassium salts (Price and Jones), T., 1729; P., 234.

C_8 Group.

C_8H_{12} 1:1-Dimethyl-$\Delta^{2,5}$-*cyclo*hexadiene, the so-called, of Harries and Antoni (Crossley and Renouf), T., 930; P., 145.

8 II

$C_8H_6O_2$ Benzoylformaldehyde, refraction of (Smedley), T., 218; P., 17.

$C_8H_6O_3$ Piperonal, action of nitric acid on (Salway), T., 1163.

$C_8H_6O_5$ 3:4-Dihydroxyphenylglyoxylic acid ($+H_2O$) (Barger and Ewins), T., 560.

C_8H_8O Acetophenone, oxidation of hydroxy-derivatives of (Dakin), P., 194.

$C_8H_8O_2$ Phenylacetic acid, action of sulphur monochloride on silver salt of (Denham), T., 1239.

$C_8H_8O_2$ Toluic acid (*o*-, *m*-, and *p*-), action of sulphur monochloride on silver salts of (DENHAM), T., 1239.

$C_8H_8O_3$ Mandelic acid, resolution of (KIPPING), T., 414; P., 56; formation of the *d*-acid from amygdalin (TUTIN), T., 667; P., 118; asymmetric synthesis of the *l*-acid (MCKENZIE and HUMPHRIES), T., 1105; P., 164.

$C_8H_8O_3$ 4-Hydroxy-*o*-toluic acid, reduction of (BAUDISCH, HIBBERT, and PERKIN), T., 1870; P., 249.

6-Hydroxy-*o*-toluic acid, reduction of (BAUDISCH and PERKIN), T., 1883; P., 249.

5-Hydroxy-*m*-toluic acid, reduction of (MELDRUM and PERKIN), T., 1889; P., 249.

$C_8H_8O_5$ 3:4-Dihydroxymandelic acid, and its salts (BARGER and EWINS), T., 557.

C_8H_9N *m*-Aminostyrene, hydrochloride (TUTIN, CATON, and HAM), T., 2125.

C_8H_9Cl α-Chloro-β-phenylethane, preparation of (BARGER), T., 2194.

$C_8H_{10}O_2$ Lactone of 1-methyl-Δ^6-*cyclo*-hexen-4-ol-2-carboxylic acid (BAUDISCH, HIBBERT, and PERKIN), T., 1881.

$C_8H_{10}O_3$ *cis*-Norpinic anhydride (PERKIN and SIMONSEN), T., 1176.

$C_8H_{12}O_2$ *cyclo*Hexylideneacetic acid, formation of (HOPE and PERKIN), T., 1366.

Lactone of *cis*-1-methyl-*cyclo*hexan-2-ol-6-carboxylic acid (BAUDISCH and PERKIN), T., 1888.

Lactone of *cis*-1-methyl-*cyclo*hexan-3-ol-5-carboxylic acid (MELDRUM and PERKIN), T., 1898; P., 249.

Dimethyldihydroresorcin, condensation of, with ethylamine (HAAS), T., 421; P., 19.

$C_8H_{12}O_3$ Ethyl *cyclo*pentanone-2-carboxylate, preparation of (DOBSON, FERNS, and PERKIN), T., 2015.

1-Methyl*cyclo*hexan-2-one-6-carboxylic acid (BAUDISCH and PERKIN), T., 1886.

1-Methyl*cyclo*hexan-3-one-5-carboxylic acid (MELDRUM and PERKIN), T., 1899.

1-Methyl-Δ^6-*cyclo*hexen-4-ol-2-carboxylic acid (BAUDISCH, HIBBERT, and PERKIN), T., 1882; P., 249.

$C_8H_{12}O_4$ *trans*-Norpinic acid (PERKIN and SIMONSEN), T., 1177.

$C_8H_{12}O_6$ Pentane-αδε-tricarboxylic acid ($+\frac{1}{2}H_2O$) (DOBSON, FERNS, and PERKIN), T., 2013.

$C_8H_{14}O$ Methylheptenone, action of dehydrating and of oxidising agents on (CROSSLEY and RENOUF), T., 935.

$C_8H_{14}O_2$ *cyclo*Hexylacetic acid (HOPE and PERKIN), T., 1364.

$C_8H_{14}O_3$ *d*-Amyl pyruvate (MCKENZIE and MÜLLER), T., 545.

1-Methyl*cyclo*hexan-2-ol-6-carboxylic acid (*cis*- and *trans*-) (BAUDISCH and PERKIN), T., 1887; P., 249.

1-Methyl*cyclo*hexan-3-ol-5-carboxylic acid (*cis*- and *trans*-) (MELDRUM and PERKIN), T., 1897; P., 249.

1-Methyl*cyclo*hexan-4-ol-2-carboxylic acid (*cis*- and *trans*-, A and B) (BAUDISCH, HIBBERT, and PERKIN), T., 1877; P., 249.

$C_8H_{14}O_4$ αδ-Dimethyladipic acid, preparation of (BEST and THORPE), T., 707.

α-Ethyladipic acid, formation of, from δ-cyanoheptoic acid (BEST and THORPE), T., 714; P., 93.

Ethyl methoxy-β-methoxy-crotonate (SIMONSEN and STOREY), T., 2109; P., 290.

$C_8H_{14}O_5$ Methoxymethyl methoxy-β-methoxycrotonate (SIMONSEN and STOREY), T., 2110.

$C_8H_{14}O_6$ Ethyl tartrate, rotation of, in benzaldehyde and in quinoline (PATTERSON and MCDONALD), T., 321 ; P., 36 ; rotation of, and cryoscopic experiments on (PATTERSON and MONTGOMERIE), T., 1130.

$C_8H_{16}O_6$ Methyl methylfructoside (IRVINE and HYND), T., 1227.

8 III

$C_8H_3O_3N$ 3:4-Carbonyldioxybenzonitrile (EWINS), T., 1488 ; P., 210.

$C_8H_5O_2Cl_3$ 3:4-Dichloromethylenedioxybenzyl chloride (EWINS), T., 1485 ; P., 210.

$C_8H_5O_3N$ 3:4-Methylenedioxyphenylglyoxylonitrile (EWINS), T., 1487 ; P., 210.

$C_8H_5O_3Cl$ 3:4-Carbonyldioxybenzyl chloride, preparation of (EWINS), T., 1485 ; P., 210.

$C_8H_6O_8N_4$ 2:3:5-Trinitro-4-acetylaminophenol, interaction of, with amines (MELDOLA and HAY), T., 1033 ; P., 167 ; potassium and sodium salts (MELDOLA and HAY), T., 1380.

C_8H_7ON *d*-Benzaldehydecyanohydrin, synthesis of (AULD), T., 927 ; P., 62.

Indoxyl, condensations of, with aldehydes (PERKIN and THOMAS), T., 795 ; P., 125 ; oxidation of solutions of (THOMAS, BLOXAM, and PERKIN), T., 842 ; P., 126.

$C_8H_7O_2Cl$ *d*-Phenylchloroacetic acid, preparation of, and conversion of, into mixtures of *r*- and *l*-mandelic acids, and *r*- and *l*-phenylaminoacetic acids (MCKENZIE and CLOUGH), T., 782.

l-Phenylchloroacetic acid, conversion of, into mixtures of *r*- and *d*-, and *r*- and *l*-mandelic acids, and *r*- and *d*-, and *r*- and *l*-phenylaminoacetic acids (MCKENZIE and CLOUGH), T., 788 ; P., 70.

ω-Chloro-*p*-hydroxyacetophenone, preparation of (TUTIN, CATON, and HANN), T., 2117.

$C_8H_7O_5N$ 5-Nitro-1-methoxy-2:3-methylenedioxybenzene (SALWAY), T., 1161 ; P., 160.

$C_8H_7O_6N_3$ 3:4:5-Trinitro-*o*-xylene (CROSSLEY and RENOUF), T., 204.

3:4:6-Trinitro-*o*-xylene (CROSSLEY and RENOUF), T., 204.

C_8H_7NS *p*-Tolylthiocarbimide, action of methyleneaniline on (SENIER and SHEPHEARD), T., 505.

$C_8H_8ON_4$ Triazoacetanilide (FORSTER and MÜLLER), T., 201.

$C_8H_8O_4N_2$ 3:4-Dinitro-*o*-xylene (CROSSLEY and RENOUF), T., 204.

3:5-Dinitro-*o*-xylene (CROSSLEY and RENOUF), T., 204.

3:6-Dinitro-*o*-xylene (CROSSLEY and RENOUF), T., 204.

4:5-Dinitro-*o*-xylene (CROSSLEY and RENOUF), T., 204).

$C_8H_8O_5S$ 5-Sulpho-*m*-toluic acid ($+2H_2O$), and its salts (MELDRUM and PERKIN), T., 1893.

C_8H_9ON Acetanilide, chlorination of (JONES and ORTON), T., 1056 ; P., 146.

$C_8H_9O_2N$ Phenylaminoacetic acid (*d*- and *l*-), action of nitrous acid on, and conversion of, into phenyl-halogen-acetic acids (MCKENZIE and CLOUGH), T., 791.

d-Mandelamide (WREN), T., 1583 ; P., 219.

3-Nitro-*o*-xylene (CROSSLEY and RENOUF), T., 204.

4-Nitro-*o*-xylene (CROSSLEY and RENOUF), T., 204.

ω-Amino-*p*-hydroxyacetophenone (TUTIN, CATON, and HANN), T., 2120 ; P., 289.

$C_8H_9O_3N$ 5-Amino-1-methoxy-2:3-methylenedioxybenzene, and its hydrochloride (SALWAY), T., 1162.

$C_8H_9O_4N$ 4-Nitroveratrole, formation of, from vanillin methyl ether (SALWAY), T., 1163.

$C_8H_{10}O_2N_2$ *p*-Nitrophenylethylamine, and its hydrochloride (BARGER and WALPOLE), T., 1723.

$C_8H_{10}O_4Br_2$ 1:3-Dibromonorpinic acid (PERKIN and SIMONSEN), T., 1177.

$C_8H_{11}ON$ *p*-Hydroxyphenylethylamine, isolation and synthesis of (BARGER), T., 1123; P., 162; further syntheses of (BARGER and WALPOLE), T., 1720; P., 229; and its hydrochloride (TUTIN, CATON, and HANN), T., 2123.

2-Cyano-2:5-dimethyl*cyclo*pentan-1-one (BEST and THORPE), T., 706.

2-Cyano-2-ethyl*cyclo*pentan-1-one (BEST and THORPE), T., 713.

$C_8H_{11}O_2N$ α-Cyano-ββ-diethylacrylic acid (GARDNER and HAWORTH), T., 1965.

β-*p*-Dihydroxy-β-phenylethylamine, and its hydrochloride (TUTIN, CATON, and HANN), T., 2120; P., 289.

Senicifolinine, salts of (WATT), T., 473; P., 68.

$C_8H_{11}O_4N$ δ-Cyanobutylmalonic acid, and its silver salt (BEST and THORPE), T., 704.

$C_8H_{11}O_4Br_3$ Methyl αβδ-tribromo-butane-ββδ-dicarboxylate (PERKIN and SIMONSEN), T., 1173.

$C_8H_{12}ON_4$ Semicarbazone of 2-cyano-2-methyl*cyclo*pentan-1-one (BEST and THORPE), T., 711.

$C_8H_{12}O_2Br_2$ 1:4-Dibromo-1-methyl*cyclo*hexane-2-carboxylic acid (BAUDISCH, HIBBERT, and PERKIN), T., 1882.

$C_8H_{12}O_4Br_2$ Methyl αδ-dibromoadipate (LE SUEUR), T., 276; P., 36.

$C_8H_{13}ON_3$ Semicarbazone of 1-methyl-Δ^1-*cyclo*hexen-3-one (SIMONSEN and STOREY), T., 2112.

$C_8H_{13}O_2N$ δ-Cyano-α-methylhexoic acid, preparation of, and its silver salt (BEST and THORPE), T., 706.

δ-Cyanoheptoic acid and its silver salt (BEST and THORPE), T., 713.

$C_8H_{13}O_2Br$ 4-Bromo-1-methyl*cyclo*hexane-2-carboxylic acid (*cis*- and *trans*-A) (BAUDISCH, HIBBERT, and PERKIN), T., 1878.

5-Bromo-1-methyl*cyclo*hexane-3-carboxylic acid (*cis*- and *trans*-) (MELDRUM and PERKIN), T., 1898.

cis-6-Bromo-1-methyl*cyclo*hexane-2-carboxylic acid (BAUDISCH and PERKIN), T., 1889.

$C_8H_{13}O_3N$ 3-Oximino-1-methyl*cyclo*hexane-5-carboxylic acid (MELDRUM and PERKIN), T., 1900.

$C_8H_{14}O_2S_2$ Propyl dithio-oxalate (JONES and TASKER), T., 1906; P., 247.

$C_8H_{14}O_4S_2$ α-Dithiodibutyric acid, preparation of (PRICE and TWISS), T., 1052; P., 165.

α-Dithiodi*iso*butyric acid, preparation of (PRICE and TWISS), T., 1054; P., 165.

$C_8H_{15}ON$ Tropine, affinity values of, and its derivatives (VELEY), T., 1; configuration of (BARROWCLIFF and TUTIN), T., 1966; P., 256.

ψ-Tropine, configuration of (BARROWCLIFF and TUTIN), T., 1966; P., 256.

$C_8H_{15}ON_3$ Semicarbazone of 2:5-dimethyl*cyclo*pentan-1-one (BEST and THORPE), T., 706.

Semicarbazone of 2-ethyl*cyclo*pentan-1-one (BEST and THORPE), T., 713.

$C_8H_{16}O_3S$ Diethoxythioxan (CLARKE and SMILES), T., 992; P., 145.

$C_8H_{20}NBr$ Tetraethylammonium bromide, molecular weight of (SCOTT), T., 1200; P., 173; (THORPE), P., 285.

8 IV

$C_8H_3O_2NCl_2$ 3:4-Dichloromethylenedioxybenzonitrile (EWINS), T., 1487; P., 210.

$C_8H_6ONCl_3$ Acetylchloroamino-2:4-dichlorobenzene, action on phenylhydrazine (CHATTAWAY), T., 1071; P., 147.

$C_8H_6O_4N_2Cl_2$ 3:5-Dichloro-4:6-dinitro-*o*-xylene, preparation from 4:6-dinitro-*o*-xylene (CROSSLEY and RENOUF), T., 209.

$C_8H_7ON_2Cl_3$ Benzyltrichlorocarbamide (CHATTAWAY and WÜNSCH), T., 134.

$C_8H_7O_2N_2Cl$ Benzoylchlorocarbamide (CHATTAWAY and WÜNSCH), T., 130.

2-Chloro-4-nitrosoacetanilide (CAIN), T., 716; P., 123.

$C_8H_7O_3I_3S$ Ethyl 2:3:5-tri-iodobenzenesulphonate (BOYLE), T., 1714.

C_8H_8ONCl Chloroacetanilide, melting-point curves of mixtures of *o*- and *p*- (JONES and ORTON), T., 1059.

$C_8H_8ON_2Cl_2$ Benzyldichlorocarbamide (CHATTAWAY and WÜNSCH), T., 134.

$C_8H_8O_2NCl$ α-Chloro-β-*p*-nitrophenylethane (BARGER), T., 2196.

$C_8H_8O_3I_2S$ Ethyl 3:4-di-iodobenzenesulphonate (BOYLE), T., 1698.

$C_8H_9ON_2Cl$ Benzylchlorocarbamide (CHATTAWAY and WÜNSCH), T., 134.

2-Chloro-4-aminoacetanilide (CAIN), T., 716; P., 123.

C_9 Group.

$C_9H_6O_5$ 3:4-Methylenedioxyphenylglyoxylic acid, preparation of (BARGER and EWINS), T., 555.

$C_9H_8O_2$ Cinnamic acid, configuration of (BAKER), P., 223; halogen derivatives of (JAMES and SUDBOROUGH), T., 1538; P., 211.

Phenyl methyl diketone, refraction of (SMEDLEY), T., 218; P., 17.

$C_9H_8O_4$ Myristicinaldehyde, action of nitric acid on (SALWAY), T., 1159; P., 160; preparation of (SALWAY), T., 1208; P., 175.

$C_9H_8O_5$ 3:4-Methylenedioxymandelic acid, preparation of (BARGER and EWINS), T., 554.

$C_9H_{10}O_2$ Phenylacetylcarbinol (WREN), T., 1592.

$C_9H_{10}O_3$ Phenylmethoxyacetic acid, affinity constant of (FINDLAY, TURNER, and OWEN), T., 938; P., 146.

$C_9H_{10}O_3$ α-Hydroxy-β-phenylpropionic acid, affinity constant of (FINDLAY, TURNER, and OWEN), T., 940; P., 146.

β-Hydroxy-β-phenylpropionic acid, affinity constant of (FINDLAY, TURNER, and OWEN), T., 941; P., 146.

Vanillin methyl ether, action of nitric acid on (SALWAY), T., 1163.

Acetovanillone (*4-hydroxy-3-methoxyacetophenone*), isolation of, from *Apocynum androsaemifolium* (MOORE), T., 744; P., 85.

$C_9H_{11}N$ *dl*-Hydrindamine, resolution of (KIPPING), T., 413; P., 56.

$C_9H_{12}O$ Ketone, from oxidation of terpinene (HENDERSON and CAMERON), T., 974; P., 151.

$C_9H_{14}O$ 1:1:5-Trimethyl-Δ^4-*cyclo*hexen-3-one (*isophorone*), and some of its homologues), synthesis of (CROSSLEY and GILLING), T., 19; preparation of (CROSSLEY and GILLING), P., 96.

$C_9H_{14}O_2$ 1-Methyl*cyclo*hexylidene-4-acetic acid, resolution of (PERKIN, POPE, and WALLACH), T., 1789.

$C_9H_{14}O_4$ *cyclo*Hexylmalonic acid, and its potassium salt (HOPE and PERKIN), T., 1363.

$C_9H_{14}O_5$ *cis*Hydroxypinic acid, preparation of (PERKIN and SIMONSEN), T., 1175.

9 III

$C_9H_3O_3Cl_5$ 3:4-Dichloromethylenedioxyphenyldichloroacetyl chloride (BARGER and EWINS), T., 558.

$C_9H_4O_3Cl_4$ 3:4-Dichloromethylenedioxyphenylchloroacetyl chloride (BARGER and EWINS), T., 556.

$C_9H_4O_4Cl_2$ 3:4-Carbonyldioxyphenylchloroacetyl chloride (BARGER and EWINS), T., 557.

$C_9H_4O_5Cl_2$ 3:4-Carbonyldioxyphenyldichloroacetic acid (BARGER and EWINS), T., 559.

$C_9H_5O_5Cl$ 3:4-Carbonyldioxyphenylchloroacetic acid (BARGER and EWINS), T., 556.

C_9H_7ON Cinnamenylcarbimide (*cinnamenyl* isocyanate) (FORSTER), T., 433; P., 69.

$C_9H_7ON_3$ Cinnamoylazoimide, and transformation of, into cinnamenyl carbimide (FORSTER), T., 433; P., 69.

$C_9H_7O_3N$ Indoxylic acid (PERKIN), T., 847; P., 126.

$C_9H_7O_4Cl$ Myristicinoyl chloride (SALWAY), T., 1161.

$C_9H_7O_6N$ Nitromyristicinaldehyde (SALWAY), T., 1160; P., 160.

$C_9H_7O_7N$ Nitromyristicinic acid (SALWAY), T., 1165.

$C_9H_8O_2Br_2$ *αβ*-Dibromo-*β*-phenylpropionic acid, action of organic bases on (JAMES and SUDBOROUGH), T., 1543.

$C_9H_9O_2N$ Anisaldehydecyanohydrin, preparation of, and action of hydrogen chloride on (MCCOMBIE and PARRY), T., 584; P., 95.

$C_9H_9O_3N$ Hippuric acid, condensation with acetone (PERKIN and SIMONSEN), P., 164.

$C_9H_9O_4N$ Lactone of ethyl hydrogen *α*-cyano-*β*-hydroxy-*αβ*-hydromuconate (BEST and THORPE), T., 1524.

3:4-Methylenedioxymandelamide (BARGER and EWINS), T., 555.

Myristicinamide ($+H_2O$) (SALWAY), T., 1161.

$C_9H_{10}OBr_2$ *αβ*-Dibromo-*p*-methoxy-*α*-phenylethane (TUTIN, CATON, and HANN), T., 2124.

$C_9H_{10}O_2N_2$ 5-Nitrosoaceto-*o*-toluidide (CAIN), T., 715; P., 123.

6-Nitrosoaceto-*m*-toluidide (CAIN), T., 715; P., 123.

2-Nitrosoaceto-*p*-toluidide (CAIN), T., 715; P., 123.

$C_9H_{10}O_3N_2$ Ethyl 2-ketotetrahydropyrrolidene-5-cyanoacetate, and its sodium, potassium and silver salts (BEST and THORPE), T., 1532.

Ethyl-2-ketodihydro*iso*pyrrolyl-5-cyanoacetate (BEST and THORPE), T., 1533.

$C_9H_{11}ON$ Base, from interaction of *β*-bromo-*α*-hydroxy-*p*-methoxy-*α*-phenylethane and ammonia (TUTIN, CATON, and HANN), T., 2125.

$C_9H_{11}O_2N_3$ Ethyl 2-iminotetrahydro-pyrrolidene-5-cyanoacetate (BEST and THORPE), T., 1530.

$C_9H_{11}O_3N$ Ethyl 5-cyano*cyclo*pentan-1-one-2-carboxylate, and its potassium and silver derivatives, and ethylation of (BEST and THORPE), T., 701; P., 92.

$C_9H_{11}O_5N$ Ethyl hydrogen *α*-cyano-*β*-ketoadipate, and its silver salt (BEST and THORPE), T., 1524.

$C_9H_{12}O_2N_2$ Ethyl 2-imino-3-cyano*cyclo*pentane-1-carboxylate (THORPE), P., 18; (BEST and THORPE), T., 696; P., 93.

$C_9H_{12}O_4N_2$ Ethyl hydrogen *β*-imino-*α*-cyanoadipate, and its silver salt (BEST and THORPE), T., 1534.

$C_9H_{13}ON$ *p*-Methoxyphenylethylamine, and its hydrochloride (BARGER and WALPOLE), T., 1724; P., 229.

$C_9H_{13}O_4N$ *δ*-Cyanomethylbutylmalonic acid, and its silver salt (BEST and THORPE), T., 706.

$C_9H_{13}O_4Br$ *α*-Bromo*cyclo*hexylmalonic acid (HOPE and PERKIN), T., 1364.

*cis*Bromopinic acid (PERKIN and SIMONSEN), T., 1175.

$C_9H_{14}ON_4$ Semicarbazone of 2-cyano-2:5-dimethyl*cyclo*pentan-1-one (BEST and THORPE), T., 706.

Semicarbazone of 2-cyano-2-ethyl*cyclo*pentan-1-one (BEST and THORPE), T., 713.

$C_9H_{15}ON$ Oxime of 1:1:5-trimethyl-Δ^4-*cyclo*hexen-3-one (CROSSLEY and GILLING), T., 25.

$C_9H_{15}O_3N_3$ Semicarbazone of 1-methyl*cyclo*hexan-2-one-6-carboxylic acid (BAUDISCH and PERKIN), T., 1837.

$C_9H_{21}O_3Sb$ Propyl antimonite (MACKEY), T., 607; P., 98.

9 IV

$C_9H_{10}ONCl$ *m*-Chloropropionanilide (DAVIS), T., 1398.

$C_9H_{11}ON_3S_2$ Anhydrodiallyldithiobiuretcarboxylic acid (RUHEMANN and PRIESTLEY), T., 456.

$C_9H_{10}OClBr$ α-Chloro-β-bromo-*p*-methoxy-α-phenylethane (TUTIN, CATON, and HANN), T., 2124.

$C_9H_{11}O_5N_2Na_3$ Substance. from tetraketopiperazine and sodium amyloxide (DE MOUILPIED and RULE), T., 550; P., 71.

C_{10} Group.

$C_{10}H_8$ Naphthalene, combustion of, and the atomic weight of carbon (SCOTT), P., 310.

$C_{10}H_{16}$ Limonene, action of chromyl chloride on (HENDERSON and CAMERON), T., 969; P., 151.

Pinene, oxidation of, with mercuric acetate (HENDERSON and AGNEW), T., 289; P., 357; conversion of, into sobrerol (HENDERSON and EASTBURN), T., 1465; P., 211.

Terpinene, action of chromyl chloride on (HENDERSON and CAMERON), T., 969; P., 151.

10 II

$C_{10}H_8O_7$ Cotarnic acid, synthesis of (PERKIN, ROBINSON, and THOMAS), T., 1977; P., 262.

$C_{10}H_{10}O$ β-Methylhydrindone, oxidation of (SALWAY and KIPPING), T., 166; P., 16.

$C_{10}H_{10}O_3$ α-Benzoylpropionic acid (HOPE and PERKIN), T., 2045.

$C_{10}H_{10}O_4$ *l*-Acetylmandelic acid ($+H_2O$), hydrolysis of (MCKENZIE and HUMPHRIES), T., 1106.

$C_{10}H_{10}N_2$ β-Imino-α-cyano-γ-phenylpropane, preparation of, and formation of 1:3-naphthylenediamine from (BEST and THORPE), T., 8.

1:3-Naphthylenediamine, formation from β-imino-α-cyano-γ-phenylpropane (BEST and THORPE), T., 8.

$C_{10}H_{12}O$ α-*p*-Tolylpropaldehyde, isolation of, from terpinene (HENDERSON and CAMERON), T., 973; P., 151.

$C_{10}H_{12}O_2$ Glycide *o*-tolyl ether (BOYD and KNOWLTON), T., 1802; P., 235.

β-Phenyl-α-methylpropionic acid, resolution of, and rotatory power of the *d*-acid (PICKARD and YATES), T., 1019; P., 152.

$C_{10}H_{12}O_3$ Acetyl derivative of α-*p*-dihydroxy-α-phenylethane (TUTIN, CATON, and HANN), T., 2124.

Phenylethoxyacetic acid, affinity constant of (FINDLAY, TURNER, and OWEN), T., 939; P., 146.

$C_{10}H_{12}O_5$ Ethyl 3:4-dihydroxymandelate (BARGER and EWINS), T., 558.

Trimethylgallic acid, occurrence in nature of, and silver salt (POWER and MOORE), T., 254.

$C_{10}H_{13}N$ *dl*-Methylhydrindamine, resolution of (KIPPING), T., 411; P., 55.

$C_{10}H_{14}O_3$ Camphoric anhydride, new method of preparing (EDGERTON), P., 149.

$C_{10}H_{14}I_2$ Di-iodocamphor (MARSH and STRUTHERS), T., 1786.

$C_{10}H_{15}N$ α-Dimethylamino-β-phenylethane (BARGER), T., 2195.

$C_{10}H_{16}O$ 1:1-Dimethyl-5-ethyl-Δ^4-*cyclo*hexen-3-one (CROSSLEY and GILLING), T., 28.

Camphor, absorption spectra of halogen, nitro-, and methyl derivatives of (LOWRY and DESCH), T., 807 ; P., 13 ; absorption spectra of sulphonic derivatives of (LOWRY and DESCH), T., 1340 ; P., 192 ; physical properties of solid solutions of, and borneol (VANSTONE), T., 595 ; P., 30 ; mercury derivatives of (MARSH and STRUTHERS), T., 1777 ; P., 228.

$C_{10}H_{16}O_2$ 8-Hydroxycarvotanacetone, preparation of, from pinene (HENDERSON and AGNEW), T., 292 ; P., 35.

$C_{10}H_{16}O_3$ Ethyl 1-methyl*cyclo*hexan-3-one-5-carboxylate (MELDRUM and PERKIN), T., 1899.

Pinonic acid, preparation of (PERKIN and SIMONSEN), T., 1174.

$C_{10}H_{16}O_4$ 1-Methyl*cyclo*hexyl-4-malonic acid, and its potassium salt (HOPE and PERKIN), T., 1367.

Camphoric acid, amides and imides of (WOOTTON), P., 308.

$C_{10}H_{16}O_5$ 1-Methyl*cyclo*hexyl-4-tartronic acid, and its barium salt (HOPE and PERKIN), T., 1368.

$C_{10}H_{16}O_6$ Senecifolic acid, and its silver salt (WATT), T., 472 ; P., 68.

$C_{10}H_{17}N$ β-Methyl-β-hexylacrylonitrile (GARDNER and HAWORTH), T., 1964.

$C_{10}H_{18}O$ Borneol, physical properties of solid solutions of, and camphor (VANSTONE), T., 595 ; P., 30.

Menthone, physical properties of solid solutions of, and menthol (VANSTONE), T., 602 ; P., 30.

$C_{10}H_{18}O_2$ β-Methyl-β-hexylacrylic acid (GARDNER and HAWORTH), T., 1964.

Sobrerol, preparation from pinene (HENDERSON and AGNEW), T., 291 ; P., 35 ; conversion of pinene into (HENDERSON and EASTBURN), T., 1465 ; P., 211.

$C_{10}H_{20}O$ Menthol, physical properties of solid solutions of, and menthone (VANSTONE), T., 602 ; P., 30.

$C_{10}H_{20}O_6$ Tetramethyl lævulose, preparation of, from methyl methylfructoside (IRVINE and HYND), T., 1227.

10 III

$C_{10}H_7O_5N$ 7-Nitro-5:6-methylenedioxy-1-hydrindone (PERKIN, ROBINSON, and THOMAS), T., 1981.

$C_{10}H_8O_2S$ α-Naphthalenesulphinic acid, ferric salt, reactions of (THOMAS), T., 344.

β-Naphthalenesulphinic acid, ferric salt, reactions of (THOMAS), T., 344.

$C_{10}H_8O_7N_2$ ω-2(6)-Dinitro-3-methoxy-4:5-methylenedioxystyrene (SALWAY), T., 1214.

$C_{10}H_9ON$ Cinnamaldehydecyanohydrin, action of hydrogen chloride on (MCCOMBIE and PARRY), T., 584 ; P., 95.

$C_{10}H_9OBr$ Bromo-β-methylhydrindone (SALWAY and KIPPING), T., 170.

$C_{10}H_9O_3N$ 7-Amino-5:6-methylenedioxy-1-hydrindone (PERKIN, ROBINSON, and THOMAS), T., 1982.

$C_{10}H_9O_3Cl$ *p*-Hydroxyacetophenone chloroacetate (TUTIN, CATON, and HANN), T., 2117.

ω-Chloro-*p*-acetoxyacetophenone (TUTIN, CATON, and HANN), T., 2119.

$C_{10}H_9O_4N$ 3:4-Methylenedioxyphenylglyoxylmethylamide (BARGER and EWINS), T., 556.

$C_{10}H_9O_6N$ Lactone of trihydroxycarbethoxypyridylacetic acid (BEST and THORPE), T., 1527.

$C_{10}H_{10}O_5N_2$ Lactam of carbethoxyglutazylacetic acid (BEST and THORPE), T., 1526.

$C_{10}H_{11}OCl$ *d*-β-Phenyl-α-methylpropionyl chloride (d-*benzylmethylacetyl chloride*), preparation of (PICKARD and YATES), T., 1019.

$C_{10}H_{11}O_2Cl$ *p*-Methoxyphenylpropionyl chloride (BARGER and WALPOLE), T., 1724.

$C_{10}H_{12}O_3N_2$ Acetyl-*p*-nitrophenylethylamine (BARGER and WALPOLE), T., 1722; P., 229.

Ethyl 2-keto-1-methyltetrahydropyrrolidene-5-cyanoacetate (BEST and THORPE), T., 1535.

$C_{10}H_{12}O_6N_2$ Carbethoxyglutazylacetic acid (BEST and THORPE), T., 1526.

Ethyl dihydrogen β-imino-α-cyano-butane-αγδ-tricarboxylate, and its silver salt (BEST and THORPE), T., 1523.

$C_{10}H_{12}O_6N_4$ 2:5-Dinitro-4-acetylamino-3-dimethylaminophenol, and its silver salt (MELDOLA and HAY), T., 1048.

$C_{10}H_{13}ON$ 2-β-Methylaminoethyl-benzaldehyde (PYMAN), T., 1749.

2-Methyl-3:4-dihydro*iso*quinolinium hydroxide, salts of (PYMAN), T., 1749.

$C_{10}H_{13}O_2N$ *p*-Methoxyphenylpropionamide (BARGER and WALPOLE), T., 1724; P., 229.

3-Nitrodurene (CAIN), P., 260.

$C_{10}H_{13}O_2N_3$ Phenylacetylsemicarbazone (WREN), T., 1593.

$C_{10}H_{13}O_3N$ Ethyl 5-cyano-5-methyl*cyclo*pentan-1-one-2-carboxylate (BEST and THORPE), T., 702; P., 93.

Ethyl 3-cyano-2-methoxy-Δ^2-*cyclo*pentene-1-carboxylate (BEST and THORPE), T., 702.

$C_{10}H_{14}O_2N_2$ α-Dimethylamino-β-*p*-nitrophenylethane, and its oxalate (BARGER), T., 2195.

$C_{10}H_{14}O_4N_2$ Ethyl hydrogen α-cyano-β-methyliminoadipate, and its silver salt (BEST and THORPE), T., 1536.

Ethyl β-imino-α-cyanoglutarate, preparation of (BEST and THORPE), T., 1518.

$C_{10}H_{14}O_4Br_2$ Methyl 1:3-dibromo-norpinate (PERKIN and SIMONSEN), T., 1177.

$C_{10}H_{15}ON$ Iminocamphor, aryl derivatives of (FORSTER and THORNLEY), T., 942; P., 145.

Hordenine, synthesis of (BARGER), T., 2193; P., 289.

$C_{10}H_{15}ON_3$ Semicarbazone of ketone from oxidation of terpinene (HENDERSON and CAMERON), T., 974; P., 151.

$C_{10}H_{15}O_2N$ β-Amino-β′-*o*-tolyloxy*iso*propyl alcohol, and its salts (BOYD and KNOWLTON), T., 1804; P., 235.

$C_{10}H_{15}O_4Br$ α-Bromo-1-methyl*cyclo*hexyl-4-malonic acid (HOPE and PERKIN), T., 1367.

$C_{10}H_{16}O_2N_2$ 4-Oximino-5-ethylimino-1:1-dimethyl*cyclo*hexan-3-one (and $+2H_2O$) (HAAS), T., 423.

$C_{10}H_{16}O_4Br_2$ Ethyl αδ-dibromoadipate, liquid form of (LE SUEUR), T., 275; P., 36.

$C_{10}H_{17}ON$ 5-Ethylimino-1:1-dimethyl-Δ^3-*cyclo*hexen-3-ol, and its hydrochloride and platinichloride (HAAS), T., 422.

$C_{10}H_{17}ON_3$ Semicarbazone of 1:1:5-trimethyl-Δ^4-*cyclo*hexen-3-one (CROSSLEY and GILLING), T., 24.

10 IV

$C_{10}H_5O_5N_2Na_3$ Substance, from tetraketopiperazine and sodium phenoxide (DE MOUILPIED and RULE), T., 551; P., 71.

$C_{10}H_6O_2NCl_3$ Trichlorobenzoyllactonitrile (FRANCIS and DAVIS), T., 1407.

$C_{10}H_{10}N_2Br_4Si$ Substance, from silicon tetrabromide and pyridine (REYNOLDS), T., 513.

$C_{10}H_{14}OI_2Hg_2$ Dimercuricamphor di-iodide (MARSH and STRUTHERS), T., 1783.

$C_{10}H_{15}OClHg$ Mercuricamphor chloride (MARSH and STRUTHERS), T., 1785.

$C_{10}H_{15}OBrHg$ Mercuricamphor bromide (MARSH and STRUTHERS), T., 1784.

$C_{10}H_{15}OIHg$ Mercuricamphor iodide, and its mercuri-iodide (MARSH and STRUTHERS), T., 1784.

10 V

$C_{10}H_{21}O_3I_3SHg$ Substance, from diethoxythioxan, ethyl iodide and mercuric iodide (CLARKE and SMILES), T., 1003.

C_{11} Group.

$C_{11}H_{10}O_2$ Ethyl phenylpropiolate, action of, on monoarylcarbamides (RUHEMANN), T., 1609; P., 220.

Δ^3-Dihydro-2-naphthoic acid, resolution of, and the *d*-acid and its sodium salt (PICKARD and YATES), T., 1014; P., 152.

$C_{11}H_{10}O_4$ Methoxymethylenedioxy-α-hydrindone (SALWAY), T., 1210.

$C_{11}H_{10}O_5$ 3-Methoxy-4:5-methylenedioxycinnamic acid, and action of nitric acid on (SALWAY), T., 1209.

$C_{11}H_{12}O$ 1:1-Dimethyl-3-methylenephthalan (SHIBATA), T., 1453; P., 209.

$C_{11}H_{12}O_2$ Phenylallylacetic acid, resolution of, and the *d*-acid and its salts (PICKARD and YATES), T., 1016; P., 152.

$C_{11}H_{12}O_3$ α-Benzoylbutyric acid (HOPE and PERKIN), T., 2047.

Ethyl benzoylacetate (HOPE and PERKIN), T., 2042; P., 296.

$C_{11}H_{12}O_5$ β-3-Methoxy-4:5-methylenedioxypropionic acid (SALWAY), T., 1209.

Ethyl 3:4-methylenedioxymandelate (BARGER and EWINS), T., 554.

$C_{11}H_{12}N_2$ 1-Cyano-2-methyltetrahydro*iso*quinoline (PYMAN), T., 1750.

$C_{11}H_{14}O_2$ Phenylpropylacetic acid, resolution of, and the *d*-acid and its salts (PICKARD and YATES), T., 1017; P., 152.

β-Phenyl-α-ethylpropionic acid, resolution of, and the *d*-acid and its salts (PICKARD and YATES), T., 1018; P., 152.

$C_{11}H_{14}O_3$ Phenylpropoxyacetic acid, affinity constant of (FINDLAY, TURNER, and OWEN), T., 940; P., 146.

$C_{11}H_{14}O_6$ Methyl 1:1-dimethyl*cyclo*pentan-3:4-dione-2:5-dicarboxylate, preparation of (THORPE), P., 94.

$C_{11}H_{16}O_2$ Oxymethylenecamphor, condensation with primary and secondary amino-compounds (POPE and READ), T., 171; P., 18.

$C_{11}H_{18}O$ 1:1-Dimethyl-5-propyl-Δ^4-*cyclo*hexen-3-one (CROSSLEY and GILLING), T., 29.

11 III

$C_{11}H_9O_2N$ Lactone of α-cyano-γ-hydroxy-γ-phenylbutyric acid (HAWORTH), T., 483.

$C_{11}H_9O_4N$ 2-Keto-8(5)-methoxy-6:7-methylenedioxy-1:2-dihydroquinoline ($+\frac{1}{2}H_2O$), and its hydrochloride, and reduction products (SALWAY), T., 1216.

$C_{11}H_9O_4Cl_3$ Ethyl 3:4-dichloromethylenedioxyphenylchloroacetate (BARGER and EWINS), T., 558.

$C_{11}H_9O_5Cl$ Ethyl 3:4-carbonyldioxyphenylchloroacetate (BARGER and EWINS), T., 558.

$C_{11}H_9O_7N$ 2(6)-Nitro-3-methoxy-4:5-methylenedioxycinnamic acid (SALWAY), T., 1215.

$C_{11}H_{10}O_2N_2$ β-Imino-α-cyano-γ-phenylbutyric acid, and its silver salt (BEST and THORPE), T., 12.

1:3-Naphthylenediamine-2-carboxylic acid (BEST and THORPE), T., 12.

$C_{11}H_{10}O_4N$ Substance, $(C_{11}H_{10}O_4N)_x$, from reduction of 2-keto-8(5)-methoxy-6:7-methylenedioxy-1:2-dihydroquinoline (SALWAY), T., 1217.

$C_{11}H_{11}ON_5$ Triazoantipyrine (4-*triazo*-1-*phenyl*-2:3-*dimethylpyrazolone*) (FORSTER and MÜLLER), T., 2072; P., 291.

$C_{11}H_{11}O_3N$ Carbethoxymandelonitrile (FRANCIS and DAVIS), T., 1409.

$C_{11}H_{11}O_4N$ Oxime of methoxymethylenedioxy-α-hydrindone (SALWAY), T., 1210.

$C_{11}H_{11}O_5N$ 6-Nitro-5:6-dimethoxy-1-hydrindone (PERKIN, ROBINSON, and THOMAS), T., 1980.

$C_{11}H_{13}O_2N$ 6:7-Dimethoxy-3:4-dihydro*iso*quinoline, and its hydrochloride and picrate (PYMAN), T., 1618; P., 217.

$C_{11}H_{13}O_3N$ Ethyl phenylacetylcarbamic acid (RUHEMANN and PRIESTLEY), T., 452.

2-Amino-5:6-dimethoxy-1-hydrindone, hydrochloride and platinichloride (ROBINSON), T., 2173; P., 296.

$C_{11}H_{13}O_4N$ 3:4-Methylenedioxyphenylhydroxyacetiminoethyl ether, hydrochloride of (BARGER and EWINS), T., 554.

$C_{11}H_{15}ON$ *n*-Butyro-*o*-toluidide (DAVIS), T., 1398.

n-Butyro-*p*-toluidide (DAVIS), T., 1398.

Cyanocarone (CLARKE and LAPWORTH), P., 307.

$C_{11}H_{15}O_3N$ Ethyl 5-cyano-2:5-dimethyl*cyclo*pentan-1-one-2-carboxylate (BEST and THORPE), P., 705; P., 93.

Ethyl 5-cyano-5-ethyl*cyclo*pentan-1-one-2-carboxylate (BEST and THORPE), T., 707; P., 93.

Ethyl 3-cyano-2-ethoxy-Δ^2-*cyclo*pentene-1-carboxylate (BEST and THORPE), T., 707; P., 93.

$C_{11}H_{19}ON_3$ Semicarbazone of 1:1-dimethyl-5-ethyl-Δ^4-*cyclo*hexen-3-one (CROSSLEY and GILLING), T., 28.

C_{12} Group.

$C_{12}H_{10}O_2$ Benzylfurfuraldehyde (FENTON and ROBINSON), T., 1335; P., 193.

$C_{12}H_{10}O_4$ Quinhydrone, absorption spectra of (HARTLEY and LEONARD), T., 34.

$C_{12}H_{10}O_5$ Acetyl-β-methylæsculetin (POWER and MOORE), T., 256; P., 27.

$C_{12}H_{12}O_2$ β-Styryl-β-methylacrylic acid (HAWORTH), T., 485.

$C_{12}H_{13}N_3$ Phenylhydrazone of 2-cyano*cyclo*pentan-1-one (BEST and THORPE), T., 710.

$C_{12}H_{14}O_2$ Diethylphthalide, formation from magnesium alkyl halides and dimethyl or diethyl phthalate (SHIBATA), T., 1455.

$C_{12}H_{16}O_5$ *d*-Amyl gallate (MCKENZIE and MÜLLER), T., 548.

*iso*Amyl gallate (MCKENZIE and MÜLLER), T., 547.

$C_{12}H_{18}O_3$ Ethyl 1:1-dimethyl-Δ^4-*cyclo*hexen-3-one-5-acetate (CROSSLEY and GILLING), T., 23.

$C_{12}H_{18}O_5$ Ethyl *cyclo*hexanone-3:6-dicarboxylate (DOBSON, FERNS, and PERKIN), T., 2013; P., 263.

$C_{12}H_{20}O_3$ Ethyl pinonate (PERKIN and SIMONSEN), T., 1174.

$C_{12}H_{20}O_4$ Ethyl *cis*-norpinate (PERKIN and SIMONSEN), T., 1176.

$C_{12}H_{20}O_6$ Lævulosediacetone, constitution of (IRVINE and HYND), T., 1220; P., 176.

$C_{12}H_{22}N_2$ 3:5-Diethylimino-1:1-dimethyl*cyclo*hexane, and its platinichloride (HAAS), T., 422.

12 III

$C_{12}H_{11}ON_3$ *p*-Aminobenzeneazophenol, and its hydrochlorides and their absorption spectra (HEWITT and THOMAS), T., 1294; P., 190.

$C_{12}H_{11}O_2N$ Anhydride of α-benzoylamino-β-dimethylacrylic acid (PERKIN and SIMONSEN), P., 164.

Benzylfurfuraldehydeoxime (*syn* and *anti*) (FENTON and ROBINSON), T., 1336; P., 193.

$C_{12}H_{11}O_3N$ Ethyl phenylpropiolylcarbamic acid (RUHEMANN and PRIESTLEY), T., 451; P., 62.

$C_{12}H_{11}O_4N$ 2-Keto-8(5)-methoxy-6:7-methylenedioxy-1-methyl-1:2-dihydroquinoline (SALWAY), T., 1218.

8(5)-Methoxy-6:7-methylenedioxycarbostyril methyl ether (SALWAY), T., 1218.

$C_{12}H_{11}O_7N$ Methyl 2(6)-nitro-3-methoxy-4:5-methylenedioxycinnamate (SALWAY), T., 1215.

$C_{12}H_{12}ON_4$ Styrylpyrazolecarboxylic acid hydrazide (RUHEMANN), T., 117.

$C_{12}H_{12}O_2N_2$ Methyl β-imino-α-cyano-γ-phenylbutyrate (BEST and THORPE), T., 10.

Methyl 1:3-naphthylenediamine-2-carboxylate, and its hydrochloride (BEST and THORPE), T., 11.

$C_{12}H_{13}O_3N$ α-Benzoylamino-β-dimethylacrylic acid (PERKIN and SIMONSEN), P., 164.

$C_{12}H_{13}O_4N$ 1-Phenylpyrrolidine-2:5-dicarboxylic acid, formation of, from adipic acid, and its barium, and silver salts (LE SUEUR), T., 273; P., 36.

Oxy*iso*cotarnine (2:*Keto*-8(5)-*methoxy*-6:7-*methylenedioxy*-1-*methyl*-1:2:3:4-*tetrahydroquinoline*) (SALWAY), T., 1219; P., 175.

$C_{12}H_{13}O_5N$ Methyl 2(6)-amino-3-methoxy-4:5-methylenedioxycinnamate (SALWAY), T., 1215.

$C_{12}H_{13}N_3Si$ Substance, from silicochloroform and potassium pyrrole (REYNOLDS), T., 511.

$C_{12}H_{14}O_5N_2$ Ethyl 2-keto-4-carbethoxydihydro*iso*pyrrolyl-5-cyanoacetate (BEST and THORPE), T., 1520.

Ethyl 2-keto-4-carbethoxytetrahydropyrrolidene-5-cyanoacetate, and its silver salt (BEST and THORPE), T., 1521.

$C_{12}H_{13}ON$ Anilide of β-methyl-β-ethylacrylic acid (GARDNER and HAWORTH), T., 1962.

$C_{12}H_{15}O_3N$ 1-Keto-6:7-dimethoxy-2-methyltetrahydro*iso*quinoline (PYMAN), T., 1272; P., 190.

$C_{12}H_{15}O_4N$ Cotarnine, synthesis of substances allied to (SALWAY), T., 1204; P., 175.

$C_{12}H_{15}O_4N_3$ Ethyl 2-imino-4-carbethoxytetrahydropyrrolidene-5-cyanoacetate, and its hydrochloride (BEST and THORPE), T., 1519.

$C_{12}H_{16}O_4N_2$ Ethyl αδ-dicyanoadipate (BEST and THORPE), T., 696; P., 92.

$C_{12}H_{17}ON$ 3-Cyano-1:2:4-trimethyl-4-ethyl-$\Delta^{1:5}$-*cyclo*hexadien-6-ol (GARDNER and HAWORTH), T., 1960.

$C_{12}H_{17}O_2N$ 6:7-Dimethoxy-2-methyltetrahydro*iso*quinoline, and its salts (PYMAN), T., 1273; P., 190.

$C_{12}H_{17}O_3N$ 4:5-Dimethoxy-2-β-methylaminoethylbenzaldehyde (PYMAN), T., 1270; P., 190.

$C_{12}H_{17}O_3N$ 6:7-Dimethoxy-2-methyl-3:4-dihydro*iso*quinolinium hydroxide, chloride, bromide, aurichloride, and picrate (PYMAN), T., 1271; P., 190.

$C_{12}H_{18}O_3N_4$ Semicarbazone of ethyl 5-cyano-2:5-dimethyl*cyclo*pentan-1-one-2-carboxylate (BEST and THORPE), T., 705.

$C_{12}H_{21}ON_3$ Semicarbazone of 1:1-dimethyl-5-propyl-Δ^4-*cyclo*hexen-3-one (CROSSLEY and GILLING), T., 29.

$C_{12}H_{22}O_2S_2$ *iso*Amyl dithio-oxalate (JONES and TASKER), T., 1906; P., 247.

$C_{12}H_{22}O_4S_2$ Diethyl α-dithiodibutyrate (PRICE and TWISS), T., 1052; P., 165.

Diethyl α-dithiodi*iso*butyrate, preparation of (PRICE and TWISS), T., 1054; P., 165.

$C_{12}H_{26}O_4S$ Acetal sulphide, molecular refraction of, and mercurichloride (CLARKE and SMILES), T., 1000; P., 145.

$C_{12}H_{27}O_3Sb$ *iso*Butyl antimonite (MACKEY), T., 607; P., 98.

12 IV

$C_{12}H_5O_9N_5S$ Tetranitrodiphenylamine-*o*-sulphoxide, and its sodium derivatives (BARNETT and SMILES), T., 1257; P., 195.

Tetranitrophenazothionium hydroxide, reactions and sodium derivative of (BARNETT and SMILES), T., 1259; P., 195.

$C_{12}H_5O_{10}N_5S$ Sulphone, from oxidation of tetranitrophenazothionium hydroxide (BARNETT and SMILES), T., 1261.

$C_{12}H_7O_5N_3S$ 3:9-Dinitrophenazothionium hydroxide (BARNETT and SMILES), T., 1261.

*iso*Dinitrophenazothionium hydroxide (and $+H_2O$) (BARNETT and SMILES), T., 1264; P., 195.

$C_{12}H_7O_6N_3S$ Substance ($+H_2O$), from oxidation of dinitroazothionium hydroxide (BARNETT and SMILES), T., 1264.

$C_{12}H_8O_4N_2S$ 3-Nitro-9-hydroxyphenazothionium hydroxide (BARNETT and SMILES), T., 1262.

$C_{12}H_8NClS$ Phenazothionium chloride ($+H_2O$) (BARNETT and SMILES), T., 1265; P., 195.

$C_{12}H_9ONS$ Diphenylamine *o*-sulphoxide (BARNETT and SMILES), T., 1265; P., 195.

$C_{12}H_{12}N_5ClS$ Diaminothionine chloride ($+2H_2O$), and platinichloride (BARNETT and SMILES), T., 1259.

12 V

$C_{12}H_8O_2NI_3S$ 2:4:5-Tri-iodobenzenesulphonanilide (BOYLE), T., 1716.

3:4:5-Tri-iodobenzenesulphonanilide (BOYLE), T., 1713.

C_{13} Group.

$C_{13}H_{10}O_9$ Tannic acid, iodometric estimation of, and action of reducing agents on (GARDNER and HODGSON), T., 1819.

$C_{13}H_{12}O_2$ Tolylmethylfurfuraldehyde (FENTON and ROBINSON), T., 1338.

$C_{13}H_{14}N_2$ Diphenylmethylenediamine, action of, on phenylthiocarbimide (SENIER and SHEPHEARD), T., 498.

$C_{13}H_{16}O_3$ Ethyl α-benzoyl*iso*butyrate (HOPE and PERKIN), T., 2046.

d-Amyl phenylglyoxylate (d-*amyl benzoylformate*) (MCKENZIE and MÜLLER), T., 546.

$C_{13}H_{18}O_2$ Glycide thymyl ether (BOYD and MARLE), T., 1800; P., 235.

$C_{13}H_{20}O_3$ Ethyl 1:1-dimethyl-Δ^4-*cyclo*hexen-3-one-5-propionate, hydrolysis of (CROSSLEY and GILLING), T., 28.

$C_{13}H_{20}O_6$ Ethyl $\alpha\gamma$-diacetylglutarate (SIMONSEN and STOREY), T., 2111; P., 290.

$C_{13}H_{22}O_4$ Ethyl *cyclo*hexylmalonate (HOPE and PERKIN), T., 1363; P., 207.

$C_{13}H_{22}O_5$ Ethyl *cis*hydroxypinate (PERKIN and SIMONSEN), T., 1176.

$C_{13}H_{22}O_6$ Methyl α-lævulosediacetone (IRVINE and HYND), T., 1223; P., 176.

13 III

$C_{13}H_{11}O_2N$ α-Cyano-β-styryl-β-methylacrylic acid (HAWORTH), T., 485.

Salicylidene-*m*-aminophenol (SENIER and SHEPHEARD), T., 1947.

$C_{13}H_{12}ON_2$ Benzoyl-*p*-phenylenediamine, hydrochloride of (MORGAN and ALCOCK), T., 1323; P., 202.

$C_{13}H_{12}O_2N_2$ 2-Cyano-5-carbanilino*cyclo*pentan-1-one (BEST and THORPE), T., 701.

$C_{13}H_{12}O_3N_4$ *o*-, *m*-, and *p*-Nitrobenzenediazohydroxylamino-*p*-toluene (GEBHARD and THOMPSON), T., 774.

$C_{13}H_{13}O_2N$ Ethyl α-cyano-α-styrylacetate (HAWORTH), T., 482.

$C_{13}H_{13}O_3N$ α-Carboxyamino-β-styryl-β-methylacrylic acid (HAWORTH), T., 485.

$C_{13}H_{13}O_4P$ Phenyl-*p*-tolylphosphoric acid (LUFF and KIPPING), T., 2001.

$C_{13}H_{13}O_7N$ Ethyl 2(6)-nitro-3-methoxy-4:5-methylenedioxycinnamate (SALWAY), T., 1215.

$C_{13}H_{16}O_2N_2$ 1-Cyano-6:7-dimethoxy-2-methyltetrahydro*iso*quinoline (PYMAN), T., 1272; P., 190.

$C_{13}H_{16}O_5N_2$ Ethyl 2-keto-4-carbethoxy-1-methyltetrahydropyrrolidene-5-cyanoacetate (BEST and THORPE), T., 1529.

$C_{13}H_{16}O_6N_4$ 2:5-Dinitro-4-acetylamino-3-piperidylphenol (MELDOLA and HAY), T., 1049.

$C_{13}H_{17}O_3N$ 1-Keto-6:7-dimethoxy-2-ethyltetrahydro*iso*quinoline (PYMAN), T., 1746.

$C_{13}H_{17}O_7N$ Glucose-*o*-carboxyanilide (+ H_2O), and its sodium salt (IRVINE and GILMOUR), T., 1553; P., 219.

$C_{13}H_{18}O_2N_2$ 6-Imino-3-cyano-1:2:4-trimethyl-4-ethyl-Δ^1-*cyclo*hexene-3-carboxylic acid (GARDNER and HAWORTH), T., 1959.

$C_{13}H_{19}O_2N$ 6:7-Dimethoxy-2-ethyltetrahydro*iso*quinoline, and its hydrochloride (PYMAN), T., 1746.

$C_{13}H_{19}O_2N_3$ Phenylhydrazone of 2:3-diketo-4-phenyl-5-anisylpyrroline (RUHEMANN), T., 1608.

$C_{13}H_{19}O_3N$ 4:5-Dimethoxy-2-β-ethylaminoethylbenzaldehyde (PYMAN), T., 1745.

6:7-Dimethoxy-2-ethyl-3:4-dihydro*iso*quinolinium hydroxide, chloride, aurichloride, and picrate of (PYMAN), T., 1745.

$C_{13}H_{19}O_5N$ Glucose-*p*-toluidide (and + $\frac{1}{2}H_2O$ and + H_2O), crystalline forms of, and reactions of (IRVINE and GILMOUR), T., 1546; P., 219.

$C_{13}H_{21}O_3N_3$ Semicarbazone of ethyl 1:1-dimethyl-Δ^4-*cyclo*hexen-3-one-5-acetate (+ $\frac{1}{2}$EtOH) (CROSSLEY and GILLING), T., 24.

$C_{13}H_{21}O_4Br$ Ethyl α-bromo*cyclo*hexylmalonate (HOPE and PERKIN), T., 1364.

$C_{13}H_{23}ON$ Propionobornylamide (FRANKLAND and BARROW), T., 2025; P., 263.

13 IV

$C_{13}H_{10}ONCl$ Salicylidene(-*o*-, -*m*-, and -*p*-)chloroaniline (SENIER and SHEPHEARD), T., 1946.

$C_{13}H_{10}ON_3Cl$ Benzoyl-*p*-aminobenzenediazonium chloride (MORGAN and ALCOCK), T., 1323; P., 202.

$C_{13}H_{10}O_4N_6S_2$ Methanedisulphonylbis-*p*-phenylenediazoimide (MORGAN and PICKARD), P., 301.

$C_{13}H_{10}O_5N_3Cl$ Benzoyl-*p*-aminobenzenediazonium perchlorate (MORGAN and ALCOCK), T., 1324; P., 202.

$C_{13}H_{11}O_2N_2P$ Phenyliminophosphorylbenzamide (TITHERLEY and WORRALL), T., 1152; P., 150.

$C_{13}H_{11}O_2N_3S$ Toluene-ω-sulphonyl-*p*-phenylenediazoimide (MORGAN and PICKARD), P., 301.

$C_{13}H_{12}ON_3Br$ *o*-, *m*-, and *p*-Bromobenzenediazohydroxylamino-*p*-toluene (GEBHARD and THOMPSON), T., 775.

$C_{13}H_{12}O_3ClP$ Phenyl-*p*-tolylphosphoryl chloride (LUFF and KIPPING), T., 2000.

$C_{13}H_{14}O_2N_2S$ Toluene-ω-sulphonyl-*p*-phenylenediamine (MORGAN and PICKARD), P., 301.

$C_{13}H_{15}O_2N_2P$ Anilino-*p*-toluidinophosphoric acid, and its alkaloidal salts (LUFF and KIPPING), T., 1998.

$C_{13}H_{16}O_4N_4S_2$ Methanedisulphonylbis-*p*-phenylendiamine (MORGAN and PICKARD), P., 301.

13 V

$C_{13}H_{12}O_2N_2ClP$ Benzoylaminoanilinophosphoryl chloride (TITHERLEY and WORRALL), T., 1152; P., 150.

C_{14} Group.

$C_{14}H_{10}O_2$ Benzil, physical properties of solid solutions of, and benzoin (VANSTONE), T., 600; P., 30.

$C_{14}H_{12}O_2$ Benzoin, physical properties of solid solutions of, and benzil (VANSTONE), T., 600; P., 30.

d-Benzoin (WREN), T., 1583; P., 219.

$C_{14}H_{14}S_2$ Benzyl disulphide, preparation of (PRICE and TWISS), T., 1490; P., 211.

$C_{14}H_{14}Se_2$ Benzyl diselenide (PRICE and JONES), T., 1729; P., 234.

$C_{14}H_{18}O_3$ Ethyl α-benzoyl-α-methylbutyrate (HOPE and PERKIN), T., 2050.

$C_{14}H_{24}O_3$ Ethyl α-1:1-dimethyl-Δ^4-*cyclo*hexen-3-one-5-butyrate, and hydrolysis of (CROSSLEY and GILLING), T., 28.

$C_{14}H_{24}O_4$ Ethyl 1-methyl*cyclo*hexyl-4-malonate (HOPE and PERKIN), T., 1367.

$C_{14}H_{24}O_5$ Ethyl α-methoxy*cyclo*hexylmalonate (HOPE and PERKIN), T., 1366.

$C_{14}H_{24}O_6$ Ethyl pentane-αδε-tricarboxylate, preparation of (DOBSON, FERNS, and PERKIN), T., 2012.

14 III

$C_{14}H_9O_8N_5$ Trinitrohydroxy-1-*o*-, -*m*-, and -*p*-hydroxyphenylmethylbenziminazole (MELDOLA and HAY), T., 1045.

$C_{14}H_{10}ON_4$ Benzoyl-*p*-aminodiazobenzene cyanide (MORGAN and ALCOCK), T., 1324.

$C_{14}H_{10}O_2N$ 1-Benzoyloxy-5-phenyltetrazole (FORSTER), T., 188; P., 25.

$C_{14}H_{10}O_2S_2$ Phenyl dithio-oxalate (JONES and TASKER), T., 1905; P., 247.

$C_{14}H_{10}O_4S_2$ Substance, from action of sulphur monochloride on sodium benzoate (DENHAM), T., 1237.

$C_{14}H_{10}O_8N_4$ Dinitrohydroxy-1-*o*-, -*m*-, and -*p*-hydroxyphenylmethylbenziminazole (MELDOLA and HAY), T., 1044.

$C_{14}H_{11}ON$ 2-(or 4-)Methylacridone (SENIER and SHEPHEARD), T., 444.
Phenylbenzometoxazone, action of phosphorus pentachloride on (TITHERLEY and HICKS), T., 915; P., 95.
$C_{14}H_{11}O_3N$ Salicylidene-*p*-aminobenzoïc acid, and its salts (SENIER and SHEPHEARD), T., 1948.
$C_{14}H_{12}ON_2$ Methylenediphenylcarbamide (SENIER and SHEPHEARD), T., 504.
$C_{14}H_{12}O_2N_2$ 4-Nitroso-4′-acetylaminodiphenyl (CAIN), T., 717; P., 123.
$C_{14}H_{12}O_3N_2$ (3- and 5-) Nitrosalicylidene-*m*-toluidine (SENIER and SHEPHEARD) T., 1953.
$C_{14}H_{12}O_4N_2$ $\alpha\alpha'$-Dicyano-β-benzylglutaric acid, and its silver salt (HAWORTH), T., 484.
$C_{14}H_{13}ON$ Salicylidene-*m*-toluidine, a new phototropic compound (SENIER and SHEPHEARD), T., 443, 1945; P., 61.
m- and *p*-Hydroxybenzylidene-*m*-toluidine (SENIER and SHEPHEARD), T., 1951.
$C_{14}H_{13}O_2N$ *l*-Benzoin-α-oxime, and its mutarotation (WREN), T., 1587.
Salicyl-*m*-toluidide (SENIER and SHEPHEARD), T., 444.
$C_{14}H_{13}O_2N_3$ *p*-Acetylaminobenzeneazophenol (HEWITT and THOMAS), T., 1294; P., 190.
$C_{14}H_{14}ON_2$ *as*-Benzoylmethyl-*p*-phenylenediamine (MORGAN and ALCOCK), T., 1322; P., 202.
Acetylbenzidine, preparation of (CAIN), T., 716; P., 123.
$C_{14}H_{14}OS$ Benzyl sulphoxide; a possible example of dynamic isomerism (SMYTHE), T., 349.
$C_{14}H_{14}O_2N_2$ 2-Cyano-5-carbanilino-2-methyl*cyclo*pentan-1-one (BEST and THORPE), T., 703.
$C_{14}H_{15}ON_3$ Dimethylaminobenzeneazophenol, and its absorption spectra, and hydrochloride (HEWITT and THOMAS), T., 1295; P., 190.
o-, *m*-, and *p*-Tolyldiazohydroxylamino-*p*-toluene (GEBHARD and THOMPSON), T., 772.
$C_{14}H_{16}O_3N_2$ Ethyl 2:6-dicyano-1:1:5-trimethyl-$\Delta^{2:4}$-*cyclo*hexadien-3-ol-6-carboxylate (GARDNER and HAWORTH), T., 1958.
$C_{14}H_{17}O_4N$ Methyl 1-phenylpyrrolidine-2:5-dicarboxylate (LE SUEUR), T., 277; P., 36.
$C_{14}H_{17}O_6N$ *l*-Mandelonitrile glucoside, isolation of, from *Prunus serotina* (POWER and MOORE), T., 243; P., 27.
Indican ($+3H_2O$), experiments on, and estimation of (PERKIN and THOMAS), T., 793; P., 125.
$C_{14}H_{18}ON_2$ Cinnamenylpiperidylcarbamide (FORSTER), T., 439.
$C_{14}H_{19}O_3N$ 1-Keto-6:7-dimethoxy-2-propyltetrahydro*iso*quinoline (PYMAN), T., 1748.
$C_{14}H_{21}O_2N$ 6:7-Dimethoxy-2-propyltetrahydro*iso*quinoline, and its hydrochloride (PYMAN), T., 1748.
$C_{14}H_{21}O_3N$ 4:5-Dimethoxy-2-β-propylaminoethylbenzaldehyde (PYMAN), T., 1747.
6:7-Dimethoxy-2-propyl-3:4-dihydro*iso*quinolinium hydroxide, chloride and picrate of (PYMAN), T., 1747.
$C_{14}H_{21}O_6N$ Glucose-*p*-phenetidide ($+\frac{1}{2}H_2O$ and $+H_2O$), properties of (IRVINE and GILMOUR), T., 1550; P., 219.
$C_{14}H_{22}O_8N_4$ Tetraethylammonium styphnate, preparation and crystallography of (JERUSALEM), T., 1287.
$C_{14}H_{23}O_4Br$ Ethyl α-bromo-1-methyl*cyclo*hexyl-4-malonate (HOPE and PERKIN), T., 1367.
$C_{14}H_{25}ON$ *n*-Butyrobornylamide (FRANKLAND and BARROW), T., 2025; P., 263.

$C_{14}H_{26}O_4S_2$ Diethyl α-dithiodi*iso*valerate (PRICE and TWISS), T., 1055; P., 165.

14 IV

$C_{14}H_8O_3N_2S$ Ethyl 3-cyano-4-keto-2-phenyliminotetrahydrothiophen-3-carboxylate (RUHEMANN), T., 121.

$C_{14}H_9O_5N_4Br$ Dinitrohydroxy-1-*o*-, -*m*-, and -*p*-bromophenylmethylbenziminazole (MELDOLA and HAY), T., 1040.

$C_{14}H_{10}O_8N_4S$ Dinitrohydroxy-1-*p*-sulphophenylmethylbenziminazole (MELDOLA and HAY), T., 1047.

$C_{14}H_{10}O_9N_4S$ Dinitrohydroxy-1-*o*-hydroxyphenylmethylbenziminazolesulphonic acid (MELDOLA and HAY), T., 1044.

$C_{14}H_{11}O_3NS$ Benzenesulphonylmandelonitrile (FRANCIS and DAVIS), T., 1408.

$C_{14}H_{12}ONCl$ *o*-Methoxybenzylidene-*o*-chloroaniline (SENIER and SHEPHEARD), T., 1947.

$C_{14}H_{12}ONBr$ 5-Bromosalicylidene-*m*-toluidine (SENIER and SHEPHEARD), T., 1953.

$C_{14}H_{12}O_3N_4S$ *p*-Toluenesulphonyl derivative of 1-hydroxy-5-phenyltetrazole (FORSTER), T., 189; P., 25.

$C_{14}H_{12}O_4N_2S_2$ *o*-Nitrobenzyl disulphide, preparation of (PRICE and TWISS), T., 1490; P., 211.

$C_{14}H_{12}O_4N_2Se$ Nitrobenzyl diselenide (*o*-, *m*-, and *p*-) (PRICE and JONES), T., 1729; P., 234.

$C_{14}H_{14}ON_3Br$ Bromo-*o*-, -*m*-, and -*p*-tolyldiazohydroxylamino-*p*-toluene (GEBHARD and THOMPSON), T., 1119.

$C_{14}H_{15}O_9N_3Mo_2$ Benzoylmethyl-*p*-aminobenzenediazonium molybdate (MORGAN and ALCOCK), T., 1325; P., 202.

14 V

$C_{14}H_9ONCl_7P$ Substance, from phosphorus pentachloride and phenylbenzometoxazone, and benzoylsalicylonitrile (TITHERLEY and HICKS), T., 918.

$C_{14}H_{10}O_2NCl_4P$ Substance, from phosphorus pentachloride and phenylbenzometoxazone (TITHERLEY and HICKS), T., 919.

$C_{14}H_9O_2NCl_5P$ Substance, from phosphorus pentachloride and phenylbenzometoxazone, and benzoylsalicylonitrile (TITHERLEY and HICKS), T., 918.

$C_{14}H_{31}O_4I_3SHg$ Diacetalethylsulphonium mercuri-iodide (CLARKE and SMILES), T., 1001.

C_{15} Group.

$C_{15}H_8O_6$ Rhein, preparation of (ROBINSON and SIMONSEN), T., 1092.

$C_{15}H_{10}O_4$ Chrysophanic acid, constitution of (TUTIN and CLEWER), P., 200.

$C_{15}H_{10}O_5$ Emodin, constitution of (TUTIN and CLEWER), P., 200.

$C_{15}H_{10}O_7$ Quercetin, from *Thespasia lampas* (PERKIN), T., 1859; P., 248.

$C_{15}H_{10}O_8$ Gossypetin, from *Hibiscus sabdariffa* (PERKIN), T., 1855; P., 248.

$C_{15}H_{14}O_2$ *l*-Benzoin methyl ether (WREN), T., 1584.

$C_{15}H_{14}O_7$ Carthamine (KAMETAKA and PERKIN), P., 223.

$C_{15}H_{20}O_3$ Ethyl α-benzoyl-α-ethylbutyrate, preparation of (HOPE and PERKIN), T., 2048.

$C_{15}H_{20}O_5$ Androsin ($+ 2H_2O$) (*acetovanillone glucoside*) (MOORE), T., 746; P., 85.

$C_{15}H_{26}O_5$ Ethyl α-methoxy-1-methyl*cyclo*hexyl-4-malonate (HOPE and PERKIN), T., 1368.

15 III

$C_{15}H_{10}O_3N_2$ *p*-Nitrobenzaldehydeindogenide, quantitative experiments with (PERKIN and THOMAS), T., 796; P., 125.

$C_{15}H_{10}O_4N_2$ *m*-Nitrobenzoylmandelonitrile (FRANCIS and DAVIS), T., 1408.

$C_{15}H_{10}O_7N_4$ Dinitrohydroxy-1-*o*-, -*m*-, and -*p*-carboxyphenylmethylbenziminazole, and their silver salts (MELDOLA and HAY), T., 1041.

$C_{15}H_{11}ON$ 2:5-Diphenyloxazole, synthesis of (ROBINSON), T., 2169; P., 295.

$C_{15}H_{11}O_2N$ Benzoylmandelonitrile (FRANCIS and DAVIS), T., 1404.

p-Hydroxybenzaldehydeindogenide (PERKIN and THOMAS), T., 799; P., 125.

$C_{15}H_{11}O_3N$ Dihydroxybenzaldehydeindogenide (PERKIN and THOMAS), T., 798; P., 125.

$C_{15}H_{12}OBr_2$ αβ-Dibromobenzylacetophenone, stereoisomeric modifications of (SMEDLEY), P., 259.

$C_{15}H_{13}ON$ *m*-Benzoylaminostyrene (+ H_2O), preparation of (TUTIN, CATON, and HANN), T., 2125.

$C_{15}H_{13}O_2N$ Piperonylidene-*m*-toluidine (SENIER and SHEPHEARD), T., 1954.

ω-Benzoylaminoacetophenone (ROBINSON), T., 2169; P., 295.

$C_{15}H_{13}O_3N$ *o*-Methoxybenzylidene-*p*-aminobenzoic acid (SENIER and SHEPHEARD), T., 1949.

$C_{15}H_{13}O_3N_3$ Benzoyl-*p*-aminobenzenediazonium acetate (MORGAN and ALCOCK), T., 1323; P., 202.

$C_{15}H_{13}O_4N$ 5-Benzoylamino-1-methoxy-2:3-methylenedioxybenzene (SALWAY), T., 1162.

$C_{15}H_{14}ON_2$ Cinnamenylphenylcarbamide (FORSTER), T., 439.

$C_{15}H_{14}O_2N$ Benzoyl-*p*-hydroxyphenylethylamine (BARGER and WALPOLE), T., 1722; P., 229.

$C_{15}H_{14}O_3N_2$ Benzoyl-*p*-nitrophenylethylamine (BARGER and WALPOLE), T., 1721; P., 229.

$C_{15}H_{14}N_2S$ 3-Phenyl-6-methyl-2-thio-1:2:3:4-tetrahydroquinazoline, and its platinichlorides (SENIER and SHEPHEARD), T., 499.

$C_{15}H_{15}ON$ 2-Hydroxy-5-methylbenzylidene-*m*-toluidine (SENIER and SHEPHEARD), T., 1952.

Anisylidene-*m*-toluidine, and its hydrochloride (SENIER and SHEPHEARD), T., 1952.

Salicylidene-*o*-4-xylidine (SENIER and SHEPHEARD), T., 1945.

Salicylidene-*m*-4-xylidine (SENIER and SHEPHEARD), T., 443.

Salicylidene-*p*-xylidine (SENIER and SHEPHEARD), T., 443.

$C_{15}H_{15}ON_3$ Cinnamenylphenylsemicarbazide (FORSTER), T., 439.

$C_{15}H_{15}O_2N$ α-*p*-Hydroxy-*N*-benzoylphenylethylamine (TUTIN, CATON, and HANN), T., 2123.

β-*p*-Hydroxy-*N*-benzoylphenylethylamine (BARGER), T., 1128.

Vanillidene-*m*-toluidine (SENIER and SHEPHEARD), T., 1954.

Salicyl-*m*- and -*p*-4-xylidide (SENIER and SHEPHEARD), T., 444.

$C_{15}H_{16}ON_2$ Benzoyl-*p*-aminophenylethylamine, and its hydrochloride (BARGER and WALPOLE), T., 1722; P., 229.

as-Benzoylethyl-*p*-phenylenediamine (MORGAN and ALCOCK), T., 1322; P., 202.

$C_{15}H_{17}ON_3$ *p*-Methoxybenzeneazodimethylaniline, and absorption spectra of (HEWITT and THOMAS), T., 1298; P., 190.

$C_{15}H_{19}O_2N$ Benzoyltropeine, and its salts (JOWETT and PYMAN), T., 1028.

$C_{15}H_{19}O_3N$ *o*-, *m*-, and *p*-Hydroxybenzoyltropeine, and their salts (JOWETT and PYMAN), T., 1031.

$C_{15}H_{20}O_2N_2$ Phenylcarbamotropeine, salts of (JOWETT and PYMAN), T., 1027.

$C_{15}H_{21}O_5N$ Myristicinylideneaminoacetal, and its reduction products (SALWAY), T., 1211.

$C_{15}H_{22}O_2N_2$ 5-Imino-2-cyano-1:3-dimethyl-6-ethyl-3-propyl-Δ^6-*cyclo*hexene-2-carboxylic acid (GARDNER and HAWORTH), T., 1962.

$C_{15}H_{23}O_5N$ Myristicinylaminoacetal and its hydrochloride (SALWAY), T., 1212.

$C_{15}H_{33}O_3Sb$ Amyl antimonite (MACKEY), T., 607; P., 98.
*iso*Amyl antimonite (MACKEY), T., 607; P., 98.

15 IV

$C_{15}H_{10}O_2NCl$ *p*-Chlorobenzoylmandelonitrile (FRANCIS and DAVIS), T., 1406.

$C_{15}H_{11}ON_3S_2$ Anhydrodiphenyldithiobiuretcarboxylic acid (RUHEMANN and PRIESTLEY), T., 455; P., 62.

$C_{15}H_{17}O_9N_3Mo_2$ Benzoylethyl-*p*-aminobenzenediazonium molybdate (MORGAN and ALCOCK), T., 1325; P., 202.

$C_{15}H_{18}ON_3I$ *p*-Dimethylaminobenzeneazophenol methiodide (HEWITT and THOMAS), T., 1296; P., 190.

C_{16} Group.

$C_{16}H_{10}O_6$ Rhein methyl ester (ROBINSON and SIMONSEN), T., 1092; P., 76.

$C_{16}H_{12}O_2$ Dibenzoylethylene, refraction of (SMEDLEY), T., 219; P., 17.

$C_{16}H_{12}O_3$ Benzoylbenzylideneacetic acid, and its sodium salt (RUHEMANN), T., 116.

$C_{16}H_{12}O_4$ 2:3:6:7-Dimethylenetetraoxydihydroanthracene (EWINS), T., 1486; P., 211.

$C_{16}H_{12}O_5$ Hydroxydimethoxyanthraquinone (ROBINSON and SIMONSEN), T., 1095.

$C_{16}H_{12}O_6$ Chrysoeriol (TUTIN and CLEWER), T., 85; P., 12.

$C_{16}H_{14}O_3$ *m*-Toluic anhydride (DENHAM), T., 1240.
Acetyl-*l*-benzoin (WREN), T., 1585.

$C_{16}H_{14}O_5$ Brazilin, derivatives of (PERKIN and ROBINSON), T., 381; P., 31.

$C_{16}H_{14}O_6$ Hæmatoxylin, derivatives of (PERKIN and ROBINSON), T., 381; P., 31.

$C_{16}H_{15}N$ Cinnamylidene-*m*-toluidine, and its hydrochloride (SENIER and SHEPHEARD), T., 1955.

$C_{16}H_{18}O_4$ Pinacone, from *p*-hydroxyacetophenone (TUTIN, CATON, and HANN), T., 2122.

$C_{16}H_{19}N$ Aminotetramethyldiphenyl (CROSSLEY and HAMPSHIRE), P., 163.

$C_{16}H_{20}N_2$ Diphenyldimethylethylenediamine, dihydrochloride of (DUNLOP and JONES), T., 418.

$C_{16}H_{24}O_6$ Diethyl 6-acetyl-1:5-dimethyl*cyclo*hexan-3-one-2:6-dicarboxylate (RUHEMANN), T., 115.

$C_{16}H_{28}O_5$ Ethyl α-ethoxy*cyclo*hexylmalonate (HOPE and PERKIN), T., 1366.

$C_{16}H_{28}Si$ Benzylethylpropyl*iso*butylsilicane (KIPPING and DAVIS), T., 73; P., 9.

16 III

$C_{16}H_9ON$ Phenyliminocamphor (FORSTER and THORNLEY), T., 949.

$C_{16}H_9O_{10}N$ Nitrodiphenyltetracarboxylic acid (CROSSLEY and HAMPSHIRE), P., 162.

$C_{16}H_{10}O_2N_2$ Indirubin, reduction of (PERKIN), P., 127.

$C_{16}H_{10}O_2Cl_2$ 5:8-Dichloro-1:2-, -1:3-, and -1:4-dimethylanthraquinone (HARROP, NORRIS, and WEIZMANN), T., 1314.

$C_{16}H_{10}O_7N_4$ 2:5-Dinitroresorcinolazo-β-naphthol (MELDOLA and HAY), T., 1385.

$C_{16}H_{11}O_2N$ Diketodiphenylpyrroline (RUHEMANN), T., 989.

$C_{16}H_{11}O_3N$ Methylenedioxybenzaldehydeindogenide (PERKIN and THOMAS), T., 796; P., 125.

$C_{16}H_{11}O_3N_3$ 4-Nitro-2-benzeneazo-α-naphthol (MITCHELL and SMITH), T., 1434; P., 209.

2-Nitro-4-benzeneazo-α-naphthol (MITCHELL and SMITH), T., 1432; P., 209.

$C_{16}H_{11}O_4N$ Benzoyloxyhomopiperonylonitrile (FRANCIS and DAVIS), T., 1406.

$C_{16}H_{12}O_2N_2$ Phenylpropiolylphenylcarbamide (RUHEMANN), T., 1609; P., 220.

Oxime of diketodiphenylpyrroline (RUHEMANN), T., 1605.

$C_{16}H_{12}O_2N_4$ Tetraketo-2:5-dianilinopiperazine (DE MOUILPIED and RULE), T., 551.

$C_{16}H_{12}O_3Cl_2$ 3:6-Dichloro-2′:3′-, -2′:4′-, and -2′:5′-dimethyl-2-benzoylbenzoic acid (HARROP, NORRIS, and WEIZMANN), T., 1314.

$C_{16}H_{12}O_5N_2$ *m*-Nitrobenzoyl-*p*-methoxymandelonitrile (FRANCIS and DAVIS), T., 1408.

$C_{16}H_{13}ON$ 5-Phenyl-2-benzyloxazole, and picrate of (ROBINSON), T., 2170; P., 295.

$C_{16}H_{13}O_2N$ Benzoyl-*p*-tolylglycollonitrile (FRANCIS and DAVIS), T., 1405.

Diketodiphenylpyrrolidine (RUHEMANN), T., 990.

$C_{16}H_{13}O_3N$ *p*-Anisoylmandelonitrile (FRANCIS and DAVIS), T., 1407.

Benzoyl-*o*- and -*p*-methoxymandelonitrile (FRANCIS and DAVIS), T., 1405.

$C_{16}H_{13}O_4N$ Aminodimethoxyanthraquinone (ROBINSON and SIMONSEN), T., 1095.

$C_{16}H_{14}O_3N$ Substance, from anisaldehydecyanohydrin and hydrogen chloride (MCCOMBIE and PARRY), T., 587; P., 95.

$C_{16}H_{14}O_4S_2$ Substance, from sulphur monochloride and silver phenylacetate (DENHAM), T., 1239.

Substance, from sulphur monochloride and silver *o*-toluate (DENHAM), T., 1239.

Substance, from sulphur monochloride and silver *m*-toluate (DENHAM), T., 1239.

Substance, from sulphur monochloride and silver *p*-toluate (DENHAM), T., 1240.

$C_{16}H_{15}O_2N$ ω-Phenylacetylaminoacetophenone (ROBINSON), T., 2170; P., 295.

$C_{16}H_{15}O_4N$ 1:2-Dihydropapaveroline, and its hydrochloride ($+\frac{1}{2}H_2O$) (PYMAN), T., 1622.

$C_{16}H_{16}O_2N_2$ ω-Phenylacetylaminoacetophenoneoxime (ROBINSON), T., 2170; P., 295.

4-Nitroso-4′-acetylamino-3:3′-ditolyl (CAIN), T., 717; P., 123.

$C_{16}H_{16}N_2S$ 3-*o*- and -*p*-Tolyl-6-methyl-2-thio-1:2:3:4-tetrahydroquinazoline (SENIER and SHEPHEARD), T., 503.

$C_{16}H_{16}N_4Si$ Silicotetrapyrrole (REYNOLDS), T., 505.

$C_{16}H_{17}ON$ *o*-Methoxybenzylidene-*o*-4-xylidine (SENIER and SHEPHEARD), T., 1946.

Salicylidene-ψ-cumidine (SENIER and SHEPHEARD), T., 443.

$C_{16}H_{17}O_2N$ α-Hydroxy-β-phenylacetylamino-α-phenylethane (ROBINSON), T., 2171; P., 295.

Salicyl-ψ-cumidide (SENIER and SHEPHEARD), T., 444.

Nitrotetramethyldiphenyl (CROSSLEY and HAMPSHIRE), P., 162.

$C_{16}H_{17}O_2N_3$ *p*-Dimethylaminobenzeneazophenyl acetate (HEWITT and THOMAS), T., 1296; P., 190.

$C_{16}H_{17}O_3N_3$ *o*-, *m*-, and *p*-Carbethoxybenzenediazohydroxylamino-*p*-toluene (GEBHARD and THOMPSON), T., 773.

$C_{16}H_{17}O_4N$ Tetrahydropapaveroline, hydrochloride of (Pyman), T., 1619.

$C_{16}H_{18}ON_2$ Acetyltolidine (+H_2O) (Cain), T., 717; P., 123.

$C_{16}H_{19}O_2N$ *m*- and *p*-Hydroxyphenyliminocamphor (Forster and Thornley), T., 950, 954.

$C_{16}H_{19}O_5N$ Glucose-β-naphthylamide (+H_2O) (Irvine and Gilmour), T., 1552; P., 219.

$C_{16}H_{20}O_2N_2$ Nitrosophenylaminocamphor (Forster and Thornley), T., 950.

$C_{16}H_{20}O_3N_4$ Camphoryl-*o*-, -*m*-, and -*p*-nitrophenyltriazen (Forster and Garland), T., 2062.

$C_{16}H_{21}ON$ Phenylaminocamphor (Forster and Thornley), T., 950.

$C_{16}H_{21}ON_3$ Phenylhydrazone of *iso*nitrosocamphor, isomeric forms of (Forster and Thornley), T., 956.

Oxime of camphorquinonephenylhydrazone (Forster and Thornley), T., 955.

Camphorylphenyltriazen, and its silver derivative (Forster and Garland), T., 2051; P., 244.

$C_{16}H_{21}O_2N$ *p*-Hydroxyphenylaminocamphor (Forster and Thornley), T., 951.

Phenylacetyltropeine, salts of (Jowett and Pyman), T., 1028.

$C_{16}H_{21}O_4N$ Ethyl 1-phenylpyrrolidine-2:5-dicarboxylate (Le Sueur), T., 276; P., 36.

$C_{16}H_{22}O_2N_2$ Phenylaminoacetyltropeine, and its dihydrobromide and dipicrate (Jowett and Pyman), T., 1025.

$C_{16}H_{22}O_3N_2$ α-Hydroxy-β-2-pyridylpropionyltropeine, and its salts (Jowett and Pyman), T., 1024.

16 IV

$C_{16}H_8O_3N_3Br_3$ 2′:4′:6′-Tribromo-4-nitro-2-benzeneazo-α-naphthol (Mitchell and Smith), T., 1436; P., 209.

2′:4′:6′-Tribromo-2-nitro-4-benzeneazo-α-naphthol (Mitchell and Smith), T., 1436; P., 209.

$C_{16}H_8O_6N_2Cl_2$ 5:8-Dichlorodinitro-1:2-dimethylanthraquinone (Harrop, Norris, and Weizmann), T., 1315.

$C_{16}H_9O_4NCl_2$ 5:8-Dichloronitro-1:3- and -1:4-dimethylanthraquinone (Harrop, Norris, and Weizmann), T., 1317.

$C_{16}H_{11}O_2NBr_2$ Dibromodiketodiphenylpyrrolidine (Ruhemann), T., 1605.

$C_{16}H_{11}O_2NS$ 2:4-Diketo-3-phenyl-5-benzylidenetetrahydrothiazole (Ruhemann), T., 120.

$C_{16}H_{11}O_3NS$ 2:4-Diketo-3-phenyl-5-salicylidenetetrahydrothiazole (Ruhemann), T., 120.

$C_{16}H_{11}O_3N_3S$ 1:3-Diphenyl-2-thiovioluric acid (Isherwood), P., 121; (Whiteley and Mountain), P., 122.

$C_{16}H_{11}O_3Cl_2Br$ 3:6-Dichloro-5′-bromo-2′:4′-dimethyl-2-benzoylbenzoic acid, and its sodium salt (Harrop, Norris, and Weizmann), T., 1316.

$C_{16}H_{12}O_3N_2S$ 1:3-Diphenylthiobarbituric acid, preparation of (Isherwood), P., 121; (Whiteley and Mountain), P., 121.

$C_{16}H_{14}O_2N_4Cl_2$ 3:3′-Dichloro-4:4′-diacetyldiaminoazobenzene (Cain), T., 716; P., 123.

$C_{16}H_{16}O_3N_3Br$ Bromo-*o*-carbethoxybenzenediazohydroxylamino-*p*-toluene (Gebhard and Thompson), T., 1121.

$C_{16}H_{17}O_5NS$ Diethyl 4-keto-2-phenyliminotetrahydrothiophen-3-dicarboxylate (Ruhemann), T., 121.

$C_{16}H_{18}ONCl$ *p*-Chlorophenyliminocamphor (Forster and Thornley), T., 954.

$C_{16}H_{20}ONCl$ *p*-Chlorophenylaminocamphor (FORSTER and THORNLEY), T., 954.

$C_{16}H_{20}ON_3Br$ Camphoryl-*p*-bromophenyltriazen (FORSTER and GARLAND), T., 2065.

$C_{16}H_{20}ON_3I$ *p*-Methoxybenzeneazodimethylaniline methiodide (HEWITT and THOMAS), T., 1298; P., 190.

$C_{16}H_{20}O_2NCl$ Phenylchloroacetyltropeine, and its salts (JOWETT and PYMAN), T., 1024.

$C_{16}H_{27}O_3NS$ *l*-Menthylamine benzenesulphonate (KIPPING and MARTIN), T., 493; P., 66.

$C_{16}H_{28}O_3SSi$ *dl*-Benzylethylpropyl*iso*butylsilicanesulphonic acid, and its salts (KIPPING and DAVIS), T., 69; P., 9.

16 V

$C_{16}H_{15}O_5NBr_2S$ Diethyl-5-dibromo-4-keto-2-phenyliminotetrahydrothiophen-3-dicarboxylate (RUHEMANN), T., 122.

C_{17} Group.

$C_{17}H_{12}O_6$ Dimethylrhein (ROBINSON and SIMONSEN), T., 1093; P., 76.
Rhein ethyl ester (ROBINSON and SIMONSEN), T., 1092; P., 76.

$C_{17}H_{14}O_4$ Chrysophanic acid dimethyl ether (TUTIN and CLEWER), P., 302.

$C_{17}H_{17}N$ 2:3:7:8-Tetramethylacridine, and its aurichloride and platinichloride (SENIER and COMPTON), T., 1626; P., 220.

$C_{17}H_{20}O_5$ *o*-Aldehydophenyl hydrogen camphorate, and its rotatory power (HILDITCH), T., 337.

$C_{17}H_{22}O_4$ *o*-Tolyl hydrogen camphorate, and its rotatory power (HILDITCH), T., 337.

$C_{17}H_{28}O_8$ Ethyl pentane-$\alpha\delta\delta\epsilon$-tetracarboxylate (DOBSON, FERNS, and PERKIN), T., 2011; P., 263.

$C_{17}H_{28}O_9$ Ethyl δ-methoxybutane-$\alpha\alpha\gamma\gamma$-tetracarboxylate (PERKIN and SIMONSEN), T., 1171.

17 III

$C_{17}H_{11}O_4N$ 2:3-Diketo-4-phenyl-5-piperonylpyrroline (RUHEMANN), T., 1608.

$C_{17}H_{11}O_4Cl$ Dimethylrhein chloride (ROBINSON and SIMONSEN), T., 1094; P., 76.

$C_{17}H_{13}ON$ Salicylidene-α-naphthylamine (SENIER and SHEPHEARD), T., 443.

$C_{17}H_{13}O_2N$ Phenylpropiolylphenylacetamide (RUHEMANN), T., 991.
Cinnamoylmandelonitrile (FRANCIS and DAVIS), T., 1408.
α-Benzoyloxy-γ-phenyl*iso*crotononitrile (FRANCIS and DAVIS), T., 1406.
Salicyl-α- and -β-naphthalide (SENIER and SHEPHEARD), T., 444, 445.
2:3-Diketo-4-phenyl-5-*o*-tolylpyrroline (RUHEMANN), T., 990.
2:3-Diketo-4-phenyl-5-*m*- and -*p*-tolylpyrroline (RUHEMANN), T., 1606.

$C_{17}H_{13}O_3N$ 2:3-Diketo-4-phenyl-5-anisylpyrroline (RUHEMANN), T., 1607.
p-Acetoxybenzaldehydeindogenide (PERKIN and THOMAS), T., 799; P., 125.

$C_{17}H_{13}O_5N$ Dimethylrheinamide (ROBINSON and SIMONSEN), T., 1095; P., 76.

$C_{17}H_{14}O_2N_2$ Phenylpropiolyl-*p*-tolylcarbamide (RUHEMANN), T., 1609; P., 220.

$C_{17}H_{14}O_7N$ Dinitrohydroxy-1-*o*-, -*m*-, and -*p*-carbethoxyphenylmethylbenziminazole (MELDOLA and HAY), T., 1041, 1042.

$C_{17}H_{15}O_3N$ 2-Phenyl-5-veratryloxazole, and its hydrochloride (ROBINSON), T., 2172; P., 295.

$C_{17}H_{15}O_4N$ *p*-Anisoyl-*p*-methoxymandelonitrile (FRANCIS and DAVIS), T., 1407.

$C_{17}H_{16}O_5N_4$ Dinitrohydroxy-1-(1:3:5-)trimethylphenylmethylbenziminazole (MELDOLA and HAY), T., 1047.

$C_{17}H_{19}O_3N$ Benzoyl-β-amino-β′-*o*-tolyloxy*iso*propyl alcohol (BOYD and KNOWLTON), T., 1805.

$C_{17}H_{20}O_3N_2$ *o*-, *m*-, and *p*-Nitroanilino-*d*-methylenecamphor (POPE and READ), T., 182.

$C_{17}H_{20}O_5S$ *o*-Aldehydophenyl camphor-β-sulphonate, and its rotatory power (HILDITCH), T., 338.

$C_{17}H_{21}ON$ Anilino-*d*-methylenecamphor, rotatory power of (POPE and READ), T., 177; P., 19.

$C_{17}H_{21}O_2N$ *p*-Methoxyphenyliminocamphor (FORSTER and THORNLEY), T., 952.

Cinnamoyltropeine, and its salts (JOWETT and PYMAN), T., 1029.

$C_{17}H_{21}N_2I$ Methiodide of diphenylpiperazine (DUNLOP and JONES), T., 419.

$C_{17}H_{22}O_2N_2$ Camphorylphenyl-ψ-carbamide (FORSTER and GARLAND), T., 2061.

$C_{17}H_{22}O_3N_2$ *o*-, *m*-, and *p*-Nitrobenzobornylamide (FRANKLAND and BARROW), T., 2035; P., 263.

$C_{17}H_{22}O_3N_4$ Camphoryl-*o*-, -*m*-, and -*p*-nitrophenylmethyltriazen (FORSTER and GARLAND), T., 2067.

$C_{17}H_{22}O_4S$ *o*-Tolyl camphor-β-sulphonate, and its rotatory power (HILDITCH), T., 338.

$C_{17}H_{23}ON_3$ Camphorylphenylmethyltriazen (FORSTER and GARLAND), T. 2066.

$C_{17}H_{23}O_2N$ *p*-Methoxyphenylaminocamphor (FORSTER and THORNLEY), T., 952.

$C_{17}H_{23}O_2N_3$ Camphoryl-*p*-methoxyphenyltriazen (FORSTER and GARLAND), T., 2064.

$C_{17}H_{23}O_3N$ α-Hydroxy-β-phenylpropionyltropeine, and its salts (JOWETT and PYMAN), T., 1023.

Atropine, resolution of, and its aurichloride, auribromide and picrate (BARROWCLIFF, and TUTIN), T., 1966; P., 256.

d-Hyoscyamine, auribromide ($+H_2O$) and picrate (BARROWCLIFF and TUTIN), T., 1976; P., 257.

$C_{17}H_{23}O_4N$ Atroglyceryltropeine, and its salts (JOWETT and PYMAN), T., 1022.

$C_{17}H_{23}N_2I$ Methiodide of diphenyldimethylethylenediamine (DUNLOP and JONES), T., 418.

17 IV

$C_{17}H_{12}O_3N_4S$ β-Naphthalenesulphonyl derivative of 1-hydroxy-5-phenyltetrazole (FORSTER), T., 189; P., 25.

$C_{17}H_{13}ON_2Br$ Bromo-*o*- and -*m*-tolueneazo-β-naphthol (GEBHARD and THOMPSON), T., 1120.

$C_{17}H_{22}ON_3Br$ Camphoryl-*p*-bromophenylmethyltriazen, and its salts (FORSTER and GARLAND), T., 2070.

$C_{17}H_{23}O_3NS$ Camphor-β-sulphonyl-*p*-toluidide, and its rotatory power (HILDITCH), T., 338.

17 V

$C_{17}H_{23}O_3NClBr$ Methobromide of phenylchloroacetyltropeine (JOWETT and PYMAN), T., 1024.

C_{18} Group.

$C_{18}H_{10}O_2$ Naphthacenequinone, derivatives of (HARROP, NORRIS, and WEIZMANN), T., 279; P., 33.

$C_{18}H_{14}O_6$ Trimethoxycoumarono*iso*coumarin, and its hydrobromide (PERKIN and ROBINSON), T., 401.

$C_{18}H_{14}O_7$ Xanthoeridol (TUTIN and CLEWER), T., 84; P., 12.

$C_{18}H_{15}N$ γ-Cyano-βε-diphenyl-$\Delta^{\beta\delta}$-pentadiene (HAWORTH), T., 487.

$C_{18}H_{16}O_7$ Lactone of hydroxytrimethoxybenzoincarboxylic acid (PERKIN and ROBINSON), T., 405.

$C_{18}H_{18}O_3$ α-Desyl*iso*butyric acid, formation of (GRAY), T., 2148.

$C_{18}H_{18}O_8$ Hydroxytrimethoxybenzoincarboxylic acid (PERKIN and ROBINSON), T., 404.

$C_{18}H_{18}N_2$ β-Imino-α-cyano-αγ-di-*o*-, -*m*-, and -*p*-tolylpropane (BEST and THORPE), T., 265; P., 28.

6-*o*-Tolyl-1-methyl-5:7-naphthylenediamine, and its dihydrochloride (BEST and THORPE), T., 266; P., 29.

6-*m*-Tolyl-2-methyl-5:7-naphthylenediamine, and its dihydrochloride (BEST and THORPE), T., 269; P., 29.

7-*p*-Tolyl-2-methyl-6:8-naphthylenediamine, and its dihydrochloride (BEST and THORPE), T., 272; P., 29.

$C_{18}H_{18}N_8$ Bisbenzeneazophenylenediamine (*Bismarck-brown*), rate of formation of (VELEY), T., 1189; P., 175.

$C_{18}H_{20}O_4$ Substance, from oxidation of laudanosine (PYMAN), T., 1269.

$C_{18}H_{26}O_3$ Menthyl *r*-mandelate, partial racemisation of, and the *l*Bd*l*A- and *l*Bl*l*A-salts and their solubilities (FINDLAY and HICKMANS), T., 1386; P., 196.

18 III

$C_{18}H_6O_3Cl_4$ 7:8:9:10-Tetrachloro-1-hydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 287.

$C_{18}H_6O_4Cl_4$ 7:8:9:10-Tetrachloro-1:6-dihydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 287.

$C_{18}H_8O_3Cl_2$ 7:10-Dichloro-1-hydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 283.

$C_{18}H_8O_4Cl_2$ 7:10-Dichloro-1:5- and -1:6-dihydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 283, 284.

$C_{18}H_8O_4Cl_4$ 3:4:5:6-Tetrachloro-1′-hydroxy-2-β-naphthoylbenzoic acid, and its sodium salt (HARROP, NORRIS, and WEIZMANN), T., 286.

$C_{18}H_{10}O_4Cl_2$ 3:6-Dichloro-1′-hydroxy-2-β-naphthoylbenzoic acid (HARROP, NORRIS, and WEIZMANN), T., 282.

$C_{18}H_{12}O_2N_2$ Hydroxy*apo*safranone, preparation of (HEWITT, NEWMAN, and WINMILL), T., 581; P., 86.

$C_{18}H_{12}O_6As_2$ Resorcinyl arsenite (LANG and WOODHOUSE), P., 199.

$C_{18}H_{13}O_4N_3$ 4-Nitro-2-benzeneazo-α-naphthyl acetate (MITCHELL and SMITH), T., 1435; P., 209.

2-Nitro-4-benzeneazo-α-naphthyl acetate (MITCHELL and SMITH), T., 1433; P., 209.

$C_{18}H_{13}O_5N$ *p*-Acetoxy-ω-phthaliminoacetophenone (TUTIN, CATON, and HANN), T., 2119.

$C_{18}H_{13}O_6Br$ Bromotrimethoxycoumarono*iso*coumarin (PERKIN and ROBINSON), T., 403.

$C_{18}H_{14}ON_2$ Methylenephenyl-α-naphthylcarbamide (SENIER and SHEPHEARD), T., 504.

$C_{18}H_{14}ON_4$ Benzeneazobenzeneazophenol, dihydrochloride (HEWITT and THOLE), T., 1396; P., 208.

$C_{18}H_{14}O_8N_4$ Dinitroacetoxy-1-*o*-, -*m*-, and -*p*-acetoxyphenylmethylbenziminazole (MELDOLA and HAY), T., 1044, 1046.

$C_{18}H_{15}ON$ 2-Hydroxy-α-naphthylidene-*m*-toluidine (SENIER and SHEPHEARD), T., 1954.

$C_{18}H_{15}O_3N$ Cinnamoyl-*p*-methoxymandelonitrile (FRANCIS and DAVIS), T., 1408.

$C_{18}H_{15}O_3Sb$ Phenyl antimonite (MACKEY), T., 608; P., 98.

$C_{18}H_{15}O_7N$ Substance, from chloroxylonine and hydriodic acid (AULD), T., 967.

$C_{18}H_{16}ON_2$ *s*-*p*-Tolyl-α-naphthylcarbamide (SENIER and SHEPHEARD), T., 502.

$C_{18}H_{16}ON_4$ Phenosafranine, constitution of (HEWITT, NEWMAN, and WINMILL), T., 577; P., 86.

$C_{18}H_{16}O_3N_2$ 3-Keto-2:5-di-*p*-methoxydiphenyl-3:4-dihydro-1:4-diazine, and its hydrochloride and picrate (MCCOMBIE and PARRY), T., 588; P., 95.

$C_{18}H_{16}O_5N_4$ Substance, from phenylhydrazine and oxidation products of mucic acid (FERRABOSCHI), T., 1249.

$C_{18}H_{16}OSi$ Triphenylsilicol, action of fuming sulphuric acid on (KIPPING and MARTIN), T., 489; P., 66.

$C_{18}H_{17}ON$ γ-Cyano-ε-hydroxy-βε-diphenyl-Δβ-pentene (HAWORTH), T., 488.

$C_{18}H_{17}O_2N$ Benzoylcumylglycollonitrile (FRANCIS and DAVIS), T., 1406.

$C_{18}H_{17}O_3N$ 2-Benzyl-5-veratryloxazole (ROBINSON), T., 2173; P., 295.

$C_{18}H_{17}O_4N$ 2-Benzoylamino-5:6-dimethoxy-1-hydrindone (ROBINSON), T., 2173; P., 296.

$C_{18}H_{18}O_3N_2$ Monoanilide of 1-phenylpyrrolidine-2:5-dicarboxylic acid (LE SUEUR), T., 278.

$C_{18}H_{19}O_4N$ ω-Phenylacetylaminoacetoveratrone (ROBINSON), T., 2172; P., 296.

$C_{18}H_{23}ON$ Methylanilino-*d*-methylenecamphor, rotatory power of (POPE and READ), T., 179.

p-Toluidino-*d*-methylenecamphor, rotatory power of (POPE and READ), T., 177; P., 19.

$C_{18}H_{23}O_2N$ *p*-Ethoxyphenyliminocamphor, and its hydrochloride (FORSTER and THORNLEY), T., 952.

$C_{18}H_{25}ON$ *o*-, *m*-, and *p*-Toluobornylamide (FRANKLAND and BARROW), T., 2040; P., 263.

$C_{18}H_{25}O_2N_3$ Camphoryl-*p*-methoxyphenylmethyltriazen (FORSTER and GARLAND), T., 2069.

$C_{18}H_{25}O_7N$ Senecifolidine, and its salts (WATT), T., 475; P., 68.

$C_{18}H_{26}O_3N_2$ Hydroxylamino- derivative of *p*-ethoxyphenyliminocamphor (FORSTER and THORNLEY), T., 952.

$C_{18}H_{26}N_2I_2$ Dimethiodide of diphenyldimethylethylenediamine (DUNLOP and JONES), T., 418.

$C_{18}H_{27}O_6N$ Senecifoline, and its salts (WATT), T., 469; P., 68.

18 IV

$C_{18}H_7O_4Cl_4Br$ 3:4:5:6-Tetrachloro-4'-bromo-1'-hydroxy-2-β-naphthoylbenzoic acid, and its sodium salt (HARROP, NORRIS, and WEIZMANN), T., 287.

$C_{18}H_9O_3NCl_2$ 7:10-Dichloro-6-amino-1-hydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 284.

$C_{18}H_9O_4Cl_2Br$ 3:6-Dichloro-4'-bromo-1'-hydroxy-2-β-naphthoylbenzoic acid (HARROP, NORRIS, and WEIZMANN), T., 283.

$C_{18}H_{13}O_2NS$ 2:4-Diketo-3-phenyl-5-cinnamylidenetetrahydrothiazole (RUHEMANN), T., 120.

$C_{19}H_{13}O_5N_3Hg$ 4-Nitro-2-benzeneazo-α-naphthol mercuriacetate (MITCHELL and SMITH), T., 1435; P., 209.

2-Nitro-4-benzeneazo-α-naphthol mercuriacetate (MITCHELL and SMITH), T., 1433; P., 209.

$C_{18}H_{14}O_3N_2Hg$ β-Benzeneazo-α-naphthol mercuriacetate (MITCHELL and SMITH), T., 1434; P., 209.

$C_{18}H_{16}O_4NSb$ Triphenylstibine hydroxynitrate (MORGAN, MICKLETHWAIT, and WHITBY), P., 302.

$C_{18}H_{18}ON_3As$ Triaminotriphenylarsine oxide, and its hydrochloride and platinichloride (MORGAN and MICKLETHWAIT), T., 1474; P., 212.

$C_{18}H_{22}O_2NI$ Benzoylhordenine methiodide (BARGER), T., 2197.

$C_{18}H_{23}O_4NS$ Camphor-β-sulphonyl-*p*-acetylanilide, and its rotatory power (HILDITCH), T., 339.

$C_{18}H_{24}O_2NBr$ Methobromide of cinnamoyltropeine (JOWETT and PYMAN), T., 1030.

$C_{18}H_{25}O_3NS$ Camphor-β-sulphonyl-*p*-ethylphenylamide, and rotatory power of (HILDITCH), T., 339.

$C_{18}H_{26}O_3NBr$ Methobromide of α-hydroxy-β-phenylpropionyltropeine (JOWETT and PYMAN), T., 1023.

$C_{18}H_{26}O_4NBr$ Methobromide of atroglyceryltropeine (JOWETT and PYMAN), T., 1022.

$C_{18}H_{29}O_5NS$ Tropinone *d*-camphorsulphonate (+ H_2O) (BARROWCLIFF and TUTIN), T., 1973.

$C_{18}H_{31}O_5NS$ Tropine *d*-camphorsulphonate (BARROWCLIFF and TUTIN), T., 1970; P., 257.

ψ-Tropine *d*-camphorsulphonate (BARROWCLIFF and TUTIN), T., 1971; P., 257.

18 V

$C_{18}H_{30}O_5NBrS$ ψ-Tropine *d*-bromocamphorsulphonate (+ H_2O) (BARROWCLIFF and TUTIN), T., 1971; P., 257.

C_{19} Group.

$C_{19}H_{11}N_3$ 6-N-6 / 5-CH-5 -Diquinacridine, and its salts (SENIER and COMPTON), T., 1629; P., 220.

$C_{19}H_{12}O_8$ Diacetylrhein, preparation of (ROBINSON and SIMONSEN), T., 1090; P., 76.

$C_{19}H_{14}O_6$ 7-Methoxy-5:6-methylenedioxy-2-piperonylidene-1-hydrindone (PERKIN, ROBINSON, and THOMAS), T., 1983.

Trimethoxy-α- and -β-brazanquinone (PERKIN and ROBINSON), T., 394, 398.

$C_{19}H_{15}N$ 9:10-Dimethylpheno- N-α / CH-β - and - N-β / CH-α -naphthacridine, and their salts (SENIER and COMPTON), T., 1627, 1628; P., 220.

$C_{19}H_{16}O_5$ α- and -β-Anhydrotrimethylbrazilone, constitution of (PERKIN and ROBINSON), T., 381; P., 31.

$C_{19}H_{16}O_6$ Dimethylrhein ethyl ester (ROBINSON and SIMONSEN), T., 1093; P., 76.

$C_{19}H_{16}O_7$ Tetramethoxycoumaronoisocoumarin, hydrobromide of (PERKIN and ROBINSON), T., 407.

$C_{19}H_{18}O_2$ Anhydroacetonebenzil, direct proofs of the presence of the hydroxyl group in derivatives of (GRAY), T., 2131; P., 218; isomerides of, and its derivatives (GRAY), T., 2138; P., 218.

4-Methoxy-3:4-diphenyl-2-methyl-Δ^2-*cyclo*pentenone (GRAY), T., 2135.

3:4-Diphenyl-5:5-dimethyl-Δ^2-*cyclo*penten-1-one-2-ol (GRAY), T., 2146.

$C_{19}H_{18}O_4$ $\beta\gamma$-Diphenyl-$\alpha\alpha$-dimethylbutyrolactone-γ-carboxylic acid ($+H_2O$), and its silver salt (GRAY), T., 2148.

$C_{19}H_{18}O_6$ Trimethylbrazilone, constitution of (PERKIN and ROBINSON), T., 381; P., 31.

$C_{19}H_{18}O_7$ Lactone of tetramethoxybenzoincarboxylic acid (PERKIN and ROBINSON), T., 405.

Eriodonol, (and $+H_2O$) (TUTIN and CLEWER), T., 86; P., 12.

$C_{19}H_{20}O$ 3:4-Diphenyl-5:5-dimethyl*cyclo*pentenone (GRAY), T., 2147.

$C_{19}H_{20}O_3$ Ethyl α-benzoyl-β-phenyl*iso*butyrate (HOPE and PERKIN), T., 2046.

$C_{19}H_{20}O_5$ α-Hydroxy-$\alpha\beta$-diphenyl-$\gamma\gamma$-dimethylglutaric acid, sodium salt (GRAY), T., 2150.

19 III

$C_{19}H_{13}O_2N$ Benzoyl-β-naphthylglycollonitrile (FRANCIS and DAVIS), T., 1406.

$C_{19}H_{15}O_2N$ Lactone of γ-cyano-ϵ-hydroxy-$\beta\epsilon$-diphenyl-Δ^α-pentene-γ-carboxylic acid (HAWORTH), T., 487.

$C_{19}H_{15}O_5N$ Diacetoxybenzaldehydeindogenide (PERKIN and THOMAS), T., 798; P., 125.

$C_{19}H_{15}O_7N$ Nitro-α-anhydrotrimethylbrazilone (PERKIN and ROBINSON), T., 393.

$C_{19}H_{16}O_3N_2$ *m*-Carbethoxybenzeneazo-β-naphthol (GEBHARD and THOMPSON), T., 1121.

$C_{19}H_{17}O_2N$ 2:3-Diketo-4-phenyl-5-cumylpyrroline (RUHEMANN), T., 1607.

$C_{19}H_{17}O_3N$ γ-Cyano-ϵ-hydroxy-$\beta\epsilon$-diphenyl-Δ^α-pentene-γ-carboxylic acid (HAWORTH), T., 487.

$C_{19}H_{18}ON_2$ Diaminotriphenylcarbinol, rate of reaction of, with acid and alkali (SIDGWICK and RIVETT), T., 899; P., 124.

$C_{19}H_{19}O_2N$ Oxime of $\beta\beta$-dimethylanhydroacetonebenzil (GRAY), T., 2147.

$C_{19}H_{21}ON$ Oxime of 3:4-diphenyl-5:5-dimethyl*cyclo*pentenone (GRAY), T., 2148.

$C_{19}H_{21}O_2N$ Benzoyl derivative of 3-cyano-1:2:4-trimethyl-4-ethyl-$\Delta^{1:5}$-*cyclo*hexadien-6-ol (GARDNER and HAWORTH), T., 1960.

$C_{19}H_{24}O_4N_4$ Methylglucosazone (IRVINE and HYND), T., 1225.

$C_{19}H_{25}ON$ *d*- and *l*-α-Phenylethylamino-*d*-methylenecamphor (POPE and READ), T., 172, 174.

19 IV

$C_{19}H_{16}ON_3P$ Phenyliminophosphorylphenylbenzamidine (TITHERLEY and WORRALL), T., 1154; P., 150.

$C_{19}H_{16}O_2N_2S$ 1:3-Diphenyl-5-*iso*propenyl-2-thiobarbituric acid (WHITELEY and MOUNTAIN), P., 121.

$C_{19}H_{18}O_2N_2S$ 1:3-Diphenyl-5-*iso*propyl-2-thiobarbituric acid (WHITELEY and MOUNTAIN), P., 121.

C_{20} Group.

$C_{20}H_{12}N_2$ α-N-6 / β-CH-5 -Naphthaquinacridine, and its aurichloride (SENIER and COMPTON), T., 1631; P., 220.

$C_{20}H_{12}N_2$ $\begin{matrix}\beta\text{-N-6}\\ |\\ \alpha\text{-CH-5}\end{matrix}$-Naphthaquinacridine, and its salicylate (SENIER and COMPTON), T., 1632; P., 220.

$C_{20}H_{16}O_7$ Tetramethoxy-α-brazanquinone (PERKIN and ROBINSON), T., 399.

$C_{20}H_{19}N_5$ Benzeneazobenzeneazodimethylaniline, and its hydrochloride (HEWITT and THOLE), T., 1395; P., 208.

$C_{20}H_{20}O_2$ 4-Ethoxy-3:4-diphenyl-2-methyl-Δ^2-*cyclo*pentenone (GRAY), T., 2134.

2-Methoxy-3:4-diphenyl-5:5-dimethyl-Δ^2-*cyclo*pentenone (GRAY), T., 2147.

$C_{20}H_{22}O_3$ Ethyl α-benzoyl-β-phenyl-α-ethylpropionate (HOPE and PERKIN), T., 2050.

$C_{20}H_{28}O_5$ Eugenyl hydrogen camphorate, rotatory power of (HILDITCH), T., 336.

*iso*Eugenyl hydrogen camphorate, and its rotatory power (HILDITCH), T., 337.

$C_{20}H_{28}O_4$ *l*-Menthyl *d*-, *l*-, and *dl*-acetylmandelate (MCKENZIE and HUMPHRIES), T., 1109, 1111.

$C_{20}H_{28}O_6$ Cynotoxin (FINNEMORE), P., 77.

20 III

$C_{20}H_{14}O_4N_2$ αδ-Dicyano-βγ-diphenyl-Δβ-butene-αδ-dicarboxylic acid, and its potassium and sodium salts (HAWORTH), T., 486.

$C_{20}H_{16}ON_2$ 3-Keto-2:5-distyryl-3:4-dihydro-1:4-diazine, and its hydrochloride (MCCOMBIE and PARRY), T., 589; P., 95.

$C_{20}H_{16}O_2N_2$ Disalicylidene-*p*-phenylenediamine (SENIER and SHEPHEARD), T., 1950.

$C_{20}H_{16}O_2N_4$ Benzeneazobenzeneazophenyl acetate (HEWITT and THOLE), T., 1397; P., 208.

$C_{20}H_{17}O_7N$ Nitro-α-anhydrotrimethylbrazilone methyl ether (PERKIN and ROBINSON), T., 394.

$C_{20}H_{19}O_4P$ Phenyl di-*p*-tolyl phosphate (LUFF and KIPPING), T., 2002.

$C_{20}H_{23}O_4N$ 1:2-Dihydropapaverine, (and $+3H_2O$) and its hydrochloride (PYMAN), T., 1620; P., 217.

$C_{20}H_{25}O_4N$ Tetrahydropapaverine, and its salts (PYMAN), T., 1614; P., 217.

$C_{20}H_{26}O_5S$ Eugenyl camphor-β-sulphonate, and its rotatory power (HILDITCH), T., 338.

*iso*Eugenyl camphor-β-sulphonate, and rotatory power of (HILDITCH), T., 338.

$C_{20}H_{27}O_4N$ Dihydroxydi-*o*-tolyloxydipropylamine (BOYD and KNOWLTON), T., 1805; P., 235.

$C_{20}H_{27}O_{11}N$ Amygdalin, hydrolysis of (AULD), T., 927; P., 62; (WALKER and KRIEBLE), T., 1369; P., 203.

*iso*Amygdalin, experiments on (TUTIN), T., 663; P., 118.

$C_{20}H_{28}O_3Hg_3$ Substance, from action of potassium hydroxide on $C_{30}H_{42}O_3I_2Hg_4$ (MARSH and STRUTHERS), T., 1787.

$C_{20}H_{30}O_3Hg_2$ Mercuricamphor oxide (MARSH and STRUTHERS), T., 1785.

$C_{20}H_{30}O_4N_2$ Fumaroyltropeine, and its hydrochloride and hydriodide (JOWETT and PYMAN), T., 1026.

$C_{20}H_{31}O_4P$ Dicamphorylphosphinic acid (MORGAN and MOORE), P., 310.

$C_{20}H_{32}O_6N_2$ Tartryltropeine, and its salts (JOWETT and PYMAN), T., 1026.

$C_{20}H_{33}O_2N$ *l*-Menthylamine *d*-β-phenyl-α-methylpropionate (PICKARD and YATES), T., 1019; P., 152.

20 IV

$C_{20}H_{14}O_2N_2Br_2$ 5:5′-Dibromodisalicylidene-*p*-phenylenediamine (SENIER and SHEPHEARD), T., 1953.

$C_{20}H_{16}ON_2Br_4$ 3-Keto-2:5-distyryl-3:4-dihydro-1:4-diazine tetrabromide (MCCOMBIE and PARRY), T., 590.

C_{21} Group.

$C_{21}H_{16}O_8$ Diacetylrhein ethyl ester (ROBINSON and SIMONSEN), T., 1092; P., 76.

$C_{21}H_{20}O_3$ 4-Acetoxy-3:4-diphenyl-5:5-dimethyl-Δ^2-*cyclo*pentenone (GRAY), T., 2137.

$C_{21}H_{20}O_{12}$ Quercimeritrin, from *Gossypium herbaceum*, and its potassium salt (PERKIN), T., 2185; P., 291.

*iso*Quercitrin, from *Gossypium herbaceum* (PERKIN), T., 2190; P., 292.

$C_{21}H_{20}O_{13}$ Gossypitrin, from *Gossypium herbaceum* (PERKIN), T., 2189; P., 292.

$C_{21}H_{24}N_8$ Bistolueneazotolylenediamine (*Vesuvine*), rate of formation of (VELEY), T., 1197; P., 175.

21 III

$C_{21}H_{13}O_4N$ 3:4-Dibenzoyloxybenzonitrile (EWINS), T., 1488.

$C_{21}H_{17}O_3N$ Carbanilido-*l*-benzoin (WREN), T., 1586.

$C_{21}H_{17}O_8N$ Nitroacetyl-α-anhydrotrimethylbrazilone (PERKIN and ROBINSON), T., 393.

Nitroacetyl-β-anhydrotrimethylbrazilone (PERKIN and ROBINSON), T., 397.

$C_{21}H_{19}O_3N$ Ethyl α-cyano-β-benzoyl-α-styrylpropionate (HAWORTH), T., 484.

$C_{21}H_{20}O_4N_2$ Benzoyl derivative of ethyl 2:6-dicyano-1:1:5-trimethyl-$\Delta^{2:4}$-*cyclo*hexadien-3-ol-6-carboxylate ($+H_2O$) (GARDNER and HAWORTH), T., 1959.

$C_{21}H_{21}O_3N$ Oxime of 4-acetoxy-3:4-diphenyl-5:5-dimethyl-Δ^2-*cyclo*pentenone (GRAY), T., 2147.

$C_{21}H_{21}O_3Sb$ *o*-, *m*-, and *p*-Tolyl antimonite (MACKEY), T., 608; P., 98.

$C_{21}H_{23}ON$ β-Naphthylamino-*d*-methylenecamphor, rotatory power of (POPE and READ), T., 178; P., 19.

$C_{21}H_{27}ON$ *ac*-Tetrahydro-β-naphthylamino-*d*-methylenecamphor (POPE and READ), T., 180.

$C_{21}H_{27}O_4N$ Laudanosine, oxidation of (PYMAN), T., 1266; P., 190; hydriodide of (PYMAN), T., 1616.

$C_{21}H_{31}O_2N$ *l*-Menthylamine *d*-Δ^3-dihydro-2-naphthoate (PICKARD and YATES), T., 1014; P., 152.

$C_{21}H_{33}O_2N$ *l*-Menthylamine *d*-phenylallylacetate (PICKARD and YATES), T., 1016; P., 152.

$C_{21}H_{34}O_2N_2$ 5-Imino-2-cyano-1:3-dimethyl-6-amyl-3-hexyl-Δ^6-*cyclo*hexene-2-carboxylic acid (GARDNER and HAWORTH), T., 1964.

$C_{21}H_{35}O_2N$ *l*-Menthylamine *d*-β-phenyl-α-ethylpropionate (PICKARD and YATES), T., 1018; P., 152.

l-Menthylamine α-phenylvalerate (PICKARD and YATES), T., 1017; P., 152.

21 IV

$C_{21}H_{16}O_3N_2S$ Ethyl 3-cyano-4-keto-2-phenylimino-5-benzylidenetetrahydrothiophen-3-carboxylate (RUHEMANN), T., 121.

$C_{21}H_{16}O_3N_4S$ Pyridine β-1:3-diphenyl-2-thioviolurate (WHITELEY and MOUNTAIN), P., 122.

$C_{21}H_{16}O_4N_2S$ Ethyl 3-cyano-4-keto-2-phenylimino-5-salicylidenetetrahydrothiophen-3-carboxylate (RUHEMANN), T., 121.

$C_{21}H_{22}O_3N_4S$ Piperidine β-1:3-diphenyl-2-thioviolurate (WHITELEY and MOUNTAIN), P., 122.

C_{22} Group.

$C_{22}H_{16}O_2$ *cis*-αβ-Dibenzoylstyrene, refraction of, and action of *iso*amylamine on (SMEDLEY), T., 219; P., 17.

$C_{22}H_{18}O_2$ Dibenzylphthalide, formation from magnesium benzyl chloride and diethyl phthalate (SHIBATA), T., 1454.

$C_{22}H_{18}O_9$ Triacetylchrysoeriol (TUTIN and CLEWER), T., 85; P., 12.

$C_{22}H_{23}N_5$ *o*-Tolueneazo-*o*-tolueneazodimethylaniline, and its hydrochloride (HEWITT and THOLE), T., 1396; P., 208.

$C_{22}H_{28}O_4$ Menthyl piperate, and its rotatory power (HILDITCH), T., 1572; P., 214.

$C_{22}H_{30}O_4$ Menthyl αβ- and βγ-hydropiperate, and their rotatory powers (HILDITCH), T., 1572; P., 214.

$C_{22}H_{32}O_4$ Menthyl piperonylbutyrate, and its rotatory power (HILDITCH), T., 1573; P., 214.

$C_{22}H_{38}O_4$ Dimenthyl oxalate, and its rotatory power (HILDITCH), T., 1579; P., 214.

22 III

$C_{22}H_{12}O_6Cl_2$ 7:10-Dichloro-1:6-diacetoxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 284.

$C_{22}H_{17}ON_3$ Phenylhydrazone of diketodiphenylpyrroline (RUHEMANN), T., 989.

$C_{22}H_{17}O_4N$ ω-Benzoylamino-*p*-benzoyloxyacetophenone (TUTIN, CATON, and HANN), T., 2120.

$C_{22}H_{19}O_3N$ α-*p*-Benzoyloxy-*N*-benzoylphenylethylamine (TUTIN, CATON, and HANN), T., 2123.

$C_{22}H_{19}O_4N$ Dibenzoyl derivative of β-*p*-dihydroxy-β-phenylethylamine (TUTIN, CATON, and HANN), T., 2121.

$C_{22}H_{19}O_9N$ Nitroacetyl-α-anhydrotetramethylhæmatoxylone (PERKIN and ROBINSON), T., 398.

$C_{22}H_{20}O_2N_2$ 2:2′-Dimethoxydibenzylidene-*p*-phenylenediamine, and its hydrochloride (SENIER and SHEPHEARD), T., 1951.

2:2′-Dihydroxy-5:5′-dimethyldibenzylidene-*p*-phenylenediamine (SENIER and SHEPHEARD), T., 1953.

$C_{22}H_{21}ON_3$ ω-Phenylacetylaminoacetophenonephenylhydrazone (ROBINSON), T., 2170; P., 295.

$C_{22}H_{22}O_2N_2$ Diacetyl-6-*o*-tolyl-1-methyl-5:7-naphthylenediamine (BEST and THORPE), T., 267.

Diacetyl-6-*m*-tolyl-2-methyl-5:7-naphthylenediamine (BEST and THORPE), T., 269.

Diacetyl-7-*p*-tolyl-2-methyl-6:8-naphthylenediamine (BEST and THORPE), T., 272.

$C_{22}H_{22}O_2N_6$ Azoantipyrine (FORSTER and MÜLLER), T., 2076.

$C_{22}H_{23}O_7N$ Chloroxylonine, from *Chloroxylon swietenia*, and its salts (AULD), T., 966; P., 148.

$C_{22}H_{23}O_{10}N$ Tetra-acetyl-*l*-mandelonitrile glucoside (POWER and MOORE), T., 259; P., 27.

$C_{22}H_{29}O_4N$ *N*-Ethyltetrahydropapaverine, and its picrate (PYMAN), T., 1744.

$C_{22}H_{31}O_3Si_2$ Benzyldiethoxysilicyl oxide (MARTIN and KIPPING), T., 310.

22 IV

$C_{22}H_{10}ON_4Br_6$ Bis-2′:4′:6′-tribromobenzeneazo-α-naphthol (MITCHELL and SMITH), T., 1437 ; P., 210.

$C_{22}H_{15}O_4N_5S$ 1:3-Diphenyl-2-thioalloxan-*p*-nitrophenylhydrazone (WHITELEY and MOUNTAIN), P., 122.

$C_{22}H_{16}O_2N_4S$ 1:3-Diphenyl-2-thioalloxanphenylhydrazone (WHITELEY and MOUNTAIN), P., 122.

$C_{22}H_{22}O_3NP$ α- and β-*dl*- and α- and β-*d*-Hydrindamide of phenyl-*p*-tolylphosphoric acid (LUFF and KIPPING), T., 2006.

C_{23} Group.

$C_{23}O_{20}O_8$ Diacetoxytrimethoxy-α-brazan (PERKIN and ROBINSON), T., 396.

$C_{23}H_{32}O_3$ Glycerol dithymyl ether (BOYD and MARLE), T., 1808 ; P., 235.

$C_{23}H_{40}O_4$ Dimenthyl malonate, and its rotatory power (HILDITCH), T., 1579 ; P., 214.

Ipuranol, isolation of, from *Apocynum androsaemifolium* (MOORE), T., 737 ; P., 85.

23 III

$C_{23}H_{17}O_3N_3$ Phenylhydrazone of 2:3-diketo-4-phenyl-5-piperonylpyrrolidine (RUHEMANN), T., 1609.

$C_{23}H_{18}O_3N_2$ Benzamide of β-benzoylaminocinnamic acid (RUHEMANN), T., 988.

$C_{23}H_{19}ON_3$ Phenylhydrazone of 2:3-diketo-4-phenyl-5-*o*-tolylpyrroline (RUHEMANN), T., 991.

Phenylhydrazone of 2:3-diketo-4-phenyl-5-*m*-tolylpyrroline (RUHEMANN), T., 1606.

Phenylhydrazone of 2:3-diketo-4-phenyl-5-*p*-tolylpyrroline (RUHEMANN), T., 1607.

$C_{23}H_{26}ON_2$ Malachite-green (carbinol-form), rate of reaction of, with acid and alkali (SIDGWICK and MOORE), T., 889 ; P., 123.

$C_{23}H_{26}O_2N_4$ Camphordiazodiphenylcarbamide, and its isomeride (FORSTER and GARLAND), T., 2059.

$C_{23}H_{28}ON_2$ Bis(2-β-methylaminoethylbenzylidene)acetone, and its dihydriodide (PYMAN), T., 1750.

$C_{23}H_{31}O_4N$ *N*-Propyltetrahydropapaverine, and its picrate (PYMAN), T., 1747.

23 IV

$C_{23}H_{14}O_3NCl$ 7(10)-Chloro-10(7)-anilino-1-hydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 285.

$C_{23}H_{15}O_4N_3S$ 1:3-Diphenyl-5-*o*-nitrobenzylidene-2-thiobarbituric acid (WHITELEY and MOUNTAIN), P., 122.

$C_{23}H_{16}O_2N_2S$ 1:3-Diphenyl-5-benzylidene-2-thiobarbituric acid (WHITELEY and MOUNTAIN), P., 121.

$C_{23}H_{18}O_2N_2S$ 1:3-Diphenyl-5-benzyl-2-thiobarbituric acid (WHITELEY and MOUNTAIN), P., 122.

$C_{23}H_{21}O_5NS$ Diethyl 4-keto-2-phenylimino-5-benzylidenetetrahydrothiophen-3-dicarboxylate (RUHEMANN), T., 122.

$C_{23}H_{21}O_6NS$ Diethyl 4-keto-2-phenylimino-5-salicylidenetetrahydrothiophen-3-dicarboxylate (RUHEMANN), T., 122.

$C_{23}H_{25}O_4NS$ Camphor-β-sulphonyl-*p*-benzoylanilide, and rotatory power of (HILDITCH), T., 339.

$C_{23}H_{32}O_3NP$ α- and β-*l*-Menthylamide of phenyl-*p*-tolylphosphoric acid (LUFF and KIPPING), T., 2008.

C_{24} Group.

$C_{24}H_{18}O_2$ Benzylideneanhydroacetonebenzil, isomeride of (GRAY), T., 2143.

3:4-Diphenyl-5-benzylidene-Δ^2-*cyclo*penten-1-one-2-ol, isomeric forms of (GRAY), T., 2144.

$C_{24}H_{20}O_{10}$ Triacetylxanthoeridol (TUTIN and CLEWER), T., 85 ; P., 12.

$C_{24}H_{24}O_4$ 2:6:6-Triacetyl-1:5-diphenyl*cyclo*hexan-3-one (RUHEMANN), T., 114.

$C_{24}H_{36}O_8$ Tetra-acetyl derivative of pinacone, from *p*-hydroxyacetophenone (TUTIN, CATON, and HANN), T., 2122.

$C_{24}H_{42}O_4$ Dimenthyl succinate, and its rotatory power (HILDITCH), T., 1579 ; P., 214.

24 III

$C_{24}H_{16}O_4N_2$ Phthalylmandelonitrile (FRANCIS and DAVIS), T., 1407.

$C_{24}H_{19}O_2N_3$ Benzoylmethyl-*p*-aminobenzeneazo-β-naphthol (MORGAN and ALCOCK), T., 1325.

$C_{24}H_{22}N_3As$ Base, from arsenious chloride and aniline (MORGAN and MICKLETHWAIT), T., 1474.

$C_{24}H_{28}O_{10}N$ Ethyl nitrodiphenyltetracarboxylate (CROSSLEY and HAMPSHIRE), P., 163.

$C_{24}H_{32}O_4N_2$ Di-*p*-toluidine camphorate, and its rotatory power (HILDITCH), T., 337.

Phthaloyltropeine, and its salts (JOWETT and PYMAN), T., 1030.

24 IV

$C_{24}H_{15}O_6N_9S_3$ Benzene-1:3:5-trisulphonyltri-*p*-phenylenediazoimide (MORGAN and PICKARD), P., 300.

$C_{24}H_{18}O_3N_4Hg$ Bisbenzeneazo-α-naphthol mercuriacetate (MITCHELL and SMITH), T., 1435 ; P., 209.

$C_{24}H_{24}O_4N_3As$ Triacetylaminotriphenylarsine oxide (MORGAN and MICKLETHWAIT), T., 1475.

$C_{24}H_{24}O_6N_6S_3$ Benzene-1:3:5-trisulphonyltri-*p*-phenylenediamine (MORGAN and PICKARD), P., 300.

C_{25} Group.

$C_{25}H_{18}O$ 3:4-Diphenyl-5-benzylidene-2-methylene-Δ^3-*cyclo*pentenone (GRAY), T., 2136.

$C_{25}H_{30}O_4$ *l*-Menthyl *dl*-benzoylmandelate (MCKENZIE and HUMPHRIES), T., 1112.

$C_{25}H_{44}O_4$ Dimenthyl glutarate, and its rotatory power (HILDITCH), T., 1579 ; P., 214.

25 III

$C_{25}H_{15}O_3N$ Diphenylpropiolylbenzamide (RUHEMANN), T., 987.

$C_{25}H_{21}O_2N_3$ Benzoylethyl-*p*-aminobenzeneazo-β-naphthol (MORGAN and ALCOCK), T., 1325.

$C_{25}H_{22}ON_2$ Phenylbenzylhydrazide of benzylfurfuraldehyde (FENTON and ROBINSON), T., 1336 ; P., 193.

$C_{25}H_{23}ON_3$ Phenylhydrazone of 2:3-diketo-4-phenyl-5-cumylpyrroline (RUHEMANN), T., 1607.

$C_{25}H_{24}ON_2$ Phenylhydrazone of 3:4-diphenyl-5:5-dimethyl-Δ^2-*cyclo*penten-1-one-2-ol (GRAY), T., 2147.

$C_{25}H_{32}O_3N_2$ Carbonate of 3-cyano-1:2:4-trimethyl-4-ethyl-$\Delta^{1,5}$-*cyclo*hexadien-6-ol (GARDNER and HAWORTH), T., 1960.

25 IV

$C_{25}H_{16}O_3NCl$ 7(10)-Chloro-10(7)-*p*-toluidino-1-hydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 285.

$C_{25}H_{18}O_2N_2S$ 1:3-Diphenyl-5-cinnamylidene-2-thiobarbituric acid (WHITELEY and MOUNTAIN), P., 122.

$C_{25}H_{35}O_6NS$ Benzoyltropeine *d*-camphorsulphonate (BARROWCLIFF and TUTIN), T., 1972; P., 257.

Benzoyl-ψ-tropeine *d*-camphorsulphonate (BARROWCLIFF and TUTIN), T., 1972; P., 257.

25 V

$C_{25}H_{34}O_6NBrS$ Benzoyl-ψ-tropeine *d*-bromocamphorsulphonate ($+3H_2O$) (BARROWCLIFF and TUTIN), T., 1972; P., 257.

C_{26} Group.

$C_{26}H_{18}O$ 1:1-Diphenyl-3-phenylenephthalan (SHIBATA), T., 1454; P., 209.

$C_{26}H_{18}O_2$ $\alpha\gamma$-Diphenyl-γ-1-naphthylallene-α-carboxylic acid (LAPWORTH and WECHSLER), P., 307.

$C_{26}H_{20}O_3$ 2-Acetoxy-3:4-diphenyl-5-benzylidene-Δ^2-*cyclo*pentenone, isomeric forms of (GRAY), T., 2145.

4-Acetoxy-3:4-diphenyl-5-benzylidene-Δ^2-*cyclo*pentenone (GRAY), T., 2137.

$C_{26}H_{28}O_6$ Diethyl 6-acetyl-1:5-diphenyl*cyclo*hexan-3-one-2:6-dicarboxylate, and its sodium derivative (RUHEMANN), T., 112.

$C_{26}H_{42}O_4$ Dimenthyl muconate, and its rotatory power (HILDITCH), T., 1571; P., 214.

$C_{26}H_{44}O_4$ Dimenthyl $\alpha\beta$- and $\beta\gamma$-hydromuconate, and their rotatory powers (HILDITCH), T., 1572; P., 214.

$C_{26}H_{46}O_4$ Dimenthyl adipate, and its rotatory power (HILDITCH), T., 1572; P., 214.

26 III

$C_{26}H_{20}O_3N_4$ Benzoyl-*p*-aminobenzene diazo-oxide (MORGAN and ALCOCK), T., 1327.

$C_{26}H_{20}O_4N_2$ Trimethoxy-α-brazotoluquinoxaline (PERKIN and ROBINSON), T., 395.

$C_{26}H_{21}O_2N_5$ Dibenzoyl-4:4′-diaminodiazoaminobenzene (MORGAN and ALCOCK), T., 1326.

$C_{26}H_{26}O_6Br_2$ Dibromo-derivative of diethyl 6-acetyl-1:5-diphenyl*cyclo*hexan-3-one-2:6-dicarboxylate (RUHEMANN), T., 113.

$C_{26}H_{31}O_{17}N$ Indican (THOMAS, BLOXAM, and PERKIN), T., 824; P., 126.

$C_{26}H_{32}O_2N_2$ *p*-Phenylenebisiminocamphor (FORSTER and THORNLEY), T., 955.

$C_{26}H_{32}O_6N_2$ Di-*p*-aminoacetophenone camphorate ($+1\frac{1}{2}H_2O$), and its rotatory power (HILDITCH), T., 337.

$C_{26}H_{36}O_4N_2$ Ethyl $\alpha\delta$-diethylanilinoadipate (LE SUEUR), T., 278.

26 IV

$C_{26}H_{48}O_6N_2S_2$ *l*-Menthylamine benzenedisulphonate (KIPPING and MARTIN), T., 492 ; P., 67.

26 V

$C_{26}H_{49}O_3NSSi$ *l*-Menthylamine *dl*-benzylethylpropyl*iso*butylsilicanesulphonate, (and $+2H_2O$) (KIPPING and DAVIS), T., 74 ; P., 9.

C_{27} Group.

$C_{27}H_{24}O_2$ 4-Ethoxy-3:4-diphenyl-5-benzylidene-2-methyl-Δ^2-*cyclo*pentenone (GRAY), T., 2135.

$C_{27}H_{26}O_{11}$ Tetra-acetyleriodonol (TUTIN and CLEWER), T., 86 ; P., 12.

$C_{27}H_{27}N_3$ 6-Amino-5-*o*-tolyl-2:4-di-*o*-methylbenzylpyrimidine (BEST and THORPE), T., 266.

6-Amino-5-*m*-tolyl-2:4-di-*m*-methylbenzylpyrimidine, and its hydrochloride (BEST and THORPE), T., 268.

6-Amino-5-*p*-tolyl-2:4-di-*p*-methylbenzyl-pyrimidine, and its hydrochloride (BEST and THORPE), T., 271.

$C_{27}H_{44}O$ Homoandrosterol (MOORE), T., 740 ; P., 85.

$C_{27}H_{44}O_4$ Acid, from oxidation of cholesterol, (DORÉE), T., 640 ; P., 88.

$C_{27}H_{44}O_5$ Cholestenone ozonide (DORÉE), T., 643 ; P., 88.

$C_{27}H_{44}O_7$ Ozonide of acid $C_{27}H_{44}O_4$, from cholesterol (DORÉE), T., 641 ; P., 88.

$C_{27}H_{44}O_{11}$ Ozonide of acid $C_{27}H_{44}O_4$, from cholesterol (DORÉE), T., 642 ; P., 88.

$C_{27}H_{46}O$ α-Cholestanol, action of ozone on (DORÉE), T., 647 ; P., 88.

β-Cholestanone, action of bromine on (DORÉE), T., 648.

Cholesterol, chemistry of (DORÉE), T., 638 ; P., 88.

Coprostanone, action of bromine on, and reaction of, with phenylhydrazine (DORÉE), T., 648.

Phytosterol, from *Ecballium elaterium* (POWER and MOORE), T., 1987 ; P., 260.

Phytosterol, from bark of *Prunus serotina* (POWER and MOORE), T., 246 ; P., 27.

Phytosterol, from wheat germ, action of ozone on (DORÉE), T., 649.

$C_{27}H_{46}O_7$ β-Cholestanone ozonide (DORÉE), T., 645 ; P., 88.

$C_{27}H_{46}O_8$ Coprostanone ozonide (DORÉE), T., 647 ; P., 88.

$C_{27}H_{48}O$ Coprosterol, chemistry of (DORÉE), T., 638 ; P., 88.

$C_{27}H_{48}O_4$ Dimenthyl pimelate, and its rotatory power (HILDITCH), T., 1579 ; P., 214.

β-Cholestanol ozonide (DORÉE), T., 644 ; P., 88.

Coprosterol ozonide (DORÉE), T., 645 ; P., 88.

$C_{27}H_{48}O_7$ ψ-Coprosterol ozonide (DORÉE), T., 646 ; P., 88.

27 III

$C_{27}H_{22}O_5N_2$ Tetramethoxy-α-brazotoluquinoxaline (PERKIN and ROBINSON), T., 399.

$C_{27}H_{24}O_2N_4$ Dicarbanilinodiphenylmethylenediamine (SENIER and SHEPHEARD), T., 496.

$C_{27}H_{24}N_4S_2$ Dithiocarbanilinodiphenylmethylenediamine (SENIER and SHEPHEARD), T., 498.

$C_{27}H_{27}O_5N$ *N*-Benzoyl-1:2-dihydropapaverine (PYMAN), T., 1621.

$C_{27}H_{29}O_5N$ *N*-Benzoyltetrahydropapaverine (PYMAN), T., 1617 ; P., 217.

$C_{27}H_{33}O_6N_5$ Brucine α- and *l*-α-triazobutyrate (FORSTER and MÜLLER), T., 195.

$C_{27}H_{34}ON_2$ Brilliant-green (carbinol-form), rate of reaction of, with acid and alkali (SIDGWICK and MOORE), T., 889; P., 123.

$C_{27}H_{36}O_5N_2$ Bis(4:5-dimethoxy-2-β-methylaminoethylbenzylidene)acetone (+$4H_2O$), and its dihydrochloride (PYMAN), T., 1274; P., 190.

$C_{27}H_{44}OBr_2$ Dibromocoprostanone (DORÉE), T., 649.

27 IV

$C_{27}H_{28}O_5NBr$ Bromo-*N*-benzoyltetrahydropapaverine (PYMAN), T., 1617.

$C_{27}H_{39}O_7NS$ *d*- and *l*-Hyoscyamine *d*-camphorsulphonate (BARROWCLIFF and TUTIN), T., 1974; P., 257.

C_{28} Group.

$C_{28}H_{20}O_2$ *cis*- and *trans*-*s*-Dibenzoylstilbene, refraction of (SMEDLEY), T., 220; P., 17.

$C_{28}H_{20}O_4$ 5:8-Diphenoxy-1:2-, -1:3-, and -1:4-dimethylanthraquinone (HARROP, NORRIS, and WEIZMANN), T., 1315, 1317, 1319.

$C_{28}H_{36}O_6$ Apocynamarin (+$2H_2O$) (MOORE), P., 750; P., 85.

$C_{28}H_{50}O_4$ Dimenthyl suberate, and its rotatory power (HILDITCH), T., 1579; P., 214.

28 III

$C_{28}H_{12}O_3Cl_4$ Tetrachloro-α-naphthafluoran (HARROP, NORRIS, and WEIZMANN), T., 286.

$C_{28}H_{20}O_2N_2$ 2:2′-Dihydroxydi-α-naphthylidene-*p*-phenylenediamine (SENIER and SHEPHEARD), T., 1955.

$C_{28}H_{20}O_2S_2$ 5:8-Diphenylthiol-1:2-, -1:3-, and -1:4-dimethylanthraquinone (HARROP, NORRIS, and WEIZMANN), T., 1316, 1318, 1319.

$C_{28}H_{22}O_2N_2$ 5:8-Dianilino-1:2-, -1:3-, and -1:4-dimethylanthraquinone (HARROP, NORRIS, and WEIZMANN), T., 1315, 1317, 1319.

$C_{28}H_{24}O_3N_4$ Benzoylmethyl-*p*-aminobenzene diazo-oxide (MORGAN and ALCOCK), T., 1327.

$C_{28}H_{25}O_2N_5$ Dibenzoyldimethyl-4:4′-diaminodiazoaminobenzene (MORGAN and ALCOCK), T., 1326.

C_{29} Group.

$C_{29}H_{24}O$ 1:1-Dibenzyl-3-benzylidenephthalan (SHIBATA), T., 1455; P. 209.

$C_{29}H_{46}O_2$ Acetylhomoandrosterol (MOORE), T., 740; P., 85.

$C_{29}H_{52}O_4$ Dimenthyl azelate, and its rotatory power (HILDITCH), T., 1579; P., 214.

29 III

$C_{29}H_{23}O_5N$ β-*p*-Dibenzoyloxy-*N*-benzoyl-β-phenylethylamine (TUTIN, CATON, and HANN), T., 2121.

$C_{29}H_{28}O_2N_4$ Dicarbanilinodi-*p*-tolylmethylenediamine (SENIER and SHEPHEARD), T., 500.

$C_{29}H_{28}N_4S_2$ Dithiocarbo-*o*- and -*p*-toluidinodiphenylmethylenediamine (SENIER and SHEPHEARD), T., 499, 500.

Dithiocarbanilinodi-*p*-tolylmethylenediamine (SENIER and SHEPHEARD), T., 502.

$C_{29}H_{34}O_6N_2$ Brucine sorbate (+$1\frac{1}{2}H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.

$C_{29}H_{36}O_6N_2$ Brucine βγ-hexenoate, and its rotatory power (HILDITCH), T., 1574; P., 214.

$C_{29}H_{38}O_6N_2$ Brucine *n*-hexoate (+$3H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.

$C_{29}H_{40}O_5N_2$ Bis(4:5-dimethoxy-2-β-ethylaminoethylbenzylidene)acetone, and its hydrochloride (PYMAN), T., 1747.

29 IV

$C_{29}H_{22}O_2N_4S$ 5-Benzeneazo-1:3-diphenyl-5-benzyl-2-thiobarbituric acid (WHITELEY and MOUNTAIN), P., 122.

C_{30} Group.

$C_{30}H_{50}O$ Androsterol (+H_2O) (MOORE), T., 739; P., 85.

$C_{30}H_{54}O_4$ Dimenthyl sebacate, and its rotatory power (HILDITCH), T., 1580; P., 214.

30 III

$C_{30}H_{28}O_3N_4$ Benzoylethyl-*p*-aminobenzene diazo-oxide (MORGAN and ALCOCK), T., 1328.

$C_{30}H_{29}O_2N_5$ Dibenzoyldiethyl-4:4′-diaminodiazoaminobenzene (MORGAN and ALCOCK), T., 1326.

$C_{30}H_{39}O_6N$ Trihydroxytri-*o*-tolyloxytripropylamine, and its salts (BOYD and KNOWLTON), T., 1806; P., 235.

$C_{30}H_{39}O_7N$ Trihydroxytri-*o*-tolyloxytripropylamine oxide (BOYD and KNOWLTON), T., 1806.

$C_{30}H_{44}O_{10}N_2$ Substance, from reduction of myristicinylideneaminoacetal (SALWAY), T., 1212.

$C_{30}H_{47}O_5As$ Tricamphorylarsinic acid, and its silver salt (MORGAN and MICKLETHWAIT), T., 1476; P., 212.

$C_{30}H_{50}O_{19}N_4$ Chitin, $(C_{30}H_{50}O_{19}N_4)_n$, polarimetric method of identifying, and constitution of (IRVINE), T., 564; P., 89.

30 IV

$C_{30}H_{18}O_3N_2Cl_2$ 8:9-Dichloro-7:10-dianilino-1-hydroxynaphthacenequinone (HARROP, NORRIS, and WEIZMANN), T., 288.

$C_{30}H_{29}O_4N_2Br$ Strychnine α-bromocinnamate, (and +H_2O) (JAMES and SUDBOROUGH), T., 1539.

Strychnine α-bromo*allo*cinnamate, (and +H_2O) (JAMES and SUDBOROUGH), T., 1538.

$C_{30}H_{42}O_3I_2Hg_4$ Substance, from camphor and K_2HgI_4 (MARSH and STRUTHERS), T., 1781.

$C_{30}H_{45}O_3Cl_2Sb$ Tricamphorylstibine chloride (MORGAN, MICKLETHWAIT, and WHITBY), P., 302.

C_{31} Group.

$C_{31}H_{32}N_4S_2$ Dithiocarbo-*o*- and -*p*-toluidinodi-*p*-tolylmethylenediamine (SENIER and SHEPHEARD), T., 502, 503.

C_{32} Group.

$C_{32}H_{52}O_2$ Acetylandrosterol (MOORE), T., 739; P., 85.

32 III

$C_{32}H_{40}O_6N_2$ Brucine *d*- and *l*-1-methylcyclohexylidene-4-acetate (PERKIN, POPE, and WALLACH), T., 1795.

$C_{32}H_{51}O_2Br$ Bromoacetylandrosterol (MOORE), T., 740; P., 85.
Substance, from extract of *Apocynum androsaemifolium* and bromine (MOORE), T., 742.

C_{33} Group.

$C_{33}H_{49}N$ Coprosterylcarbazole (DORÉE), T., 654; P., 88.

33 III

$C_{33}H_{48}ON_2$ Nitroso-derivative of coprosterylcarbazole (DORÉE), T., 654; P., 88.

C_{34} Group.

$C_{34}H_{41}O_{18}N$ Hepta-acetylamygdalin, preparation and properties of (TUTIN), T., 665; P., 118.
Hepta-acetyl*neo*amygdalin, and resolution and hydrolysis of (TUTIN), T., 666; P., 118.
$C_{34}H_{42}O_5N_2$ Phenylhydrazone of apocynamarin (MOORE), T., 751.

C_{35} Group.

$C_{35}H_{28}O_2N_4$ Dicarbonaphthylaminodiphenylmethylenediamine (SENIER and SHEPHEARD), T., 497.
$C_{35}H_{36}O_8N_2$ Brucine piperate ($+1\frac{1}{2}H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.
$C_{35}H_{38}O_8N_2$ Brucine $\alpha\beta$-hydropiperate ($+4H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.
Brucine $\beta\gamma$-hydropiperate ($+3H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.
$C_{35}H_{40}O_8N_2$ Brucine piperonylbutyrate ($+4\frac{1}{2}H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.

C_{36} Group.

$C_{36}H_{36}O_6N_2$ Di-*p*-aminobenzophenone camphorate, and its rotatory power (HILDITCH), T., 337.

C_{37} Group.

$C_{37}H_{36}O_{18}$ Octa-acetylquercimeritrin (PERKIN), T., 2185; P., 291.

37 III

$C_{37}H_{32}O_2N_4$ Dicarbonaphthylaminodi-*p*-tolylmethylenediamine (SENIER and SHEPHEARD), T., 501.

C_{38} Group.

$C_{38}H_{30}O_{10}$ Di-α-anhydrotrimethylbrazilone (PERKIN and ROBINSON), T., 392.
$C_{38}H_{30}O_{12}$ Trimethoxy-α-brazanquinhydrone (PERKIN and ROBINSON), T., 396.
$C_{38}H_{32}O_2$ Dehydration product of $\alpha\beta$-dimethylanhydroacetonebenzil (GRAY), T., 2134.

38 IV

$C_{38}H_{30}O_2N_3As$ Dibenzoyl derivative of base, from arsenious chloride and aniline (MORGAN and MICKLETHWAIT), T., 1475.

$C_{38}H_{32}O_6SSb_2$ Triphenylstibine hydroxysulphate (MORGAN, MICKLETHWAIT, and WHITBY), P., 302.

C_{39} Group.

$C_{39}H_{30}O_4N_3As$ Tribenzoylaminotriphenylarsine oxide (MORGAN and MICKLETHWAIT), T., 1475.

C_{42} Group.

$C_{42}H_{34}O_{12}$ Di-α-anhydrotrimethylbrazilone diacetate (PERKIN and ROBINSON), T., 392.

42 III

$C_{42}H_{42}OSi_2$ Tribenzylsilicyl oxide (MARTIN and KIPPING), T., 307; P., 28.

C_{48} Group.

$C_{48}H_{54}O_{12}N_4$ Dibrucine oxalate ($+4\frac{1}{2}H_2O$), and its rotatory power (HILDITCH), T., 1580; P., 214.

C_{49} Group.

$C_{49}H_{56}O_{12}N_4$ Dibrucine malonate ($+3H_2O$), and its rotatory power (HILDITCH), T., 1580; P., 214.

C_{50} Group.

$C_{50}H_{70}O_5I_2Hg_6$ Substance, from interaction of camphor and mercuric and potassium iodides (MARSH and STRUTHERS), T., 1787.

C_{51} Group.

$C_{51}H_{60}O_{12}N_4$ Dibrucine glutarate ($+4H_2O$), and its rotatory power (HILDITCH), T., 1580; P., 214.

C_{52} Group.

$C_{52}H_{58}O_{12}N_4$ Dibrucine muconate ($+8H_2O$), and its rotatory power (HILDITCH), T., 1573; P., 214.

$C_{52}H_{60}O_{12}N_4$ Dibrucine αβ-hydromuconate ($+5\frac{1}{2}H_2O$), and its rotatory power (HILDITCH), T., 1573; P., 214.

Dibrucine βγ-hydromuconate ($+8H_2O$), and its rotatory power (HILDITCH), T., 1573; P., 214.

$C_{52}H_{62}O_{12}N_4$ Dibrucine adipate, and its rotatory power (HILDITCH), T., 1573; P., 214.

C_{53} Group.

$C_{53}H_{64}O_{12}N_4$ Dibrucine pimelate ($+4H_2O$), and its rotatory power (HILDITCH), T., 1580; P., 214.

C_{54} Group.

$C_{54}H_{66}O_{12}N_4$ Dibrucine suberate ($+4\frac{1}{2}H_2O$), and its rotatory power (HILDITCH), T., 1580; P., 214.

C_{55} Group.

$C_{55}H_{68}O_{12}N_4$ Dibrucine azelate ($+3H_2O$), and its rotatory power (HILDITCH), T., 1580; P., 214.

C_{56} Group.

$C_{56}H_{70}O_{12}N_4$ Dibrucine sebacate, and its rotatory power (HILDITCH), T., 1580; P., 214.

C_{58} Group.

$C_{58}H_{62}O_{12}N_4$ Dibrucine cinnamylidenemalonate ($+5H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.

$C_{58}H_{64}O_{12}N_4$ Dibrucine phenylpropylidenemalonate ($+3H_2O$) (HILDITCH), T., 1575; P., 214.

Dibrucine phenylpropenylmalonate ($+4H_2O$), and its rotatory power (HILDITCH), T., 1574; P., 214.

ERRATA.

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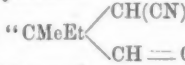
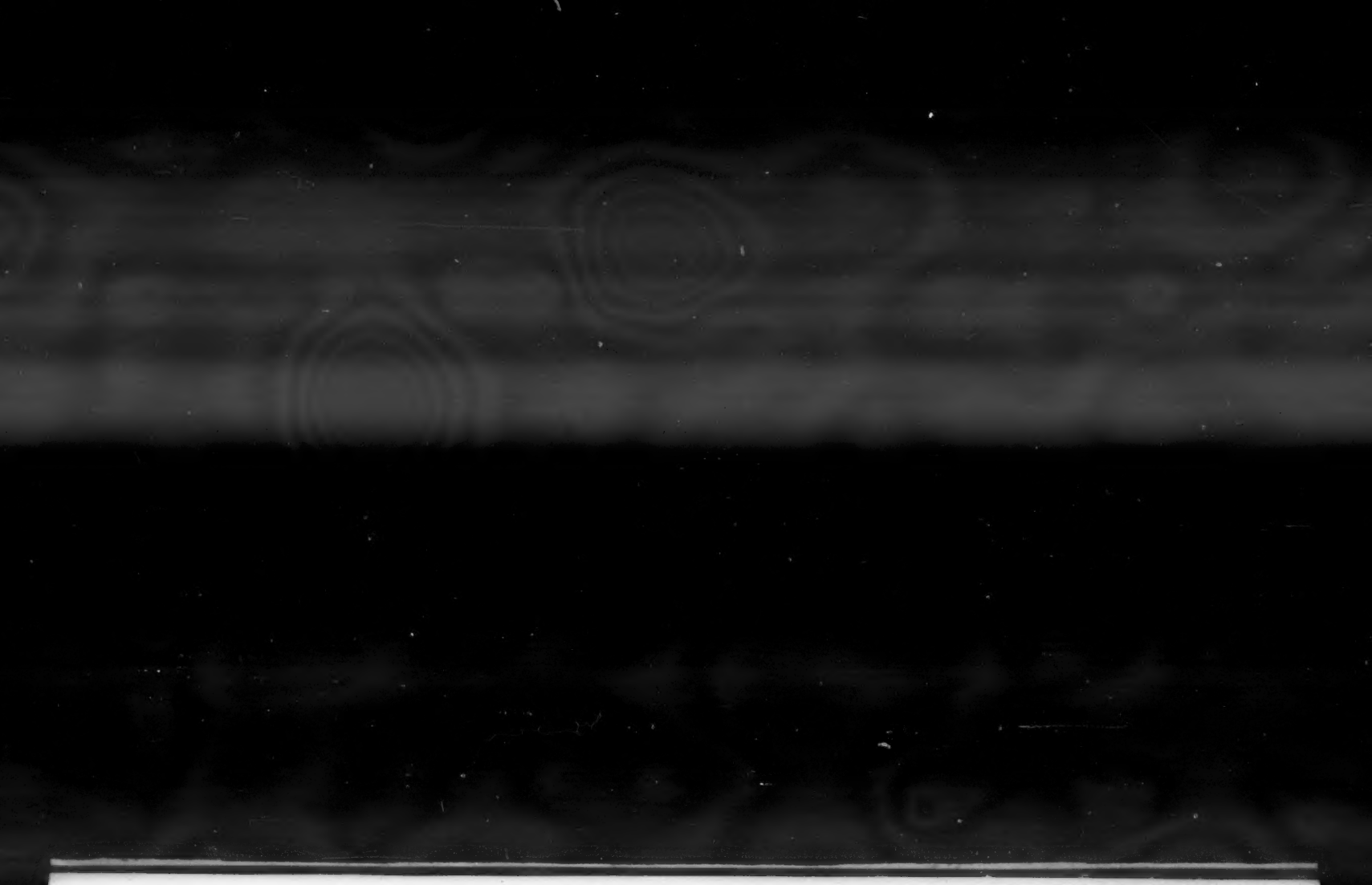
Page	Line	
116	14	in formula *for* "$CO{\cdot}C_6H_5$" *read* "$CO{\cdot}CH_3$."
121	15	*for* "C = 65·95" *read* "C = 66·95."
427	7	,, "Y for H" *read* "Y for OH."
690	3*	,, "579" *read* "594."
711	6	,, "574" ,, "594."
721	6	,, "α-, β-," *read* "αβ-."
722	4*	,, "OH·Hg·OEt" *read* "OH·Hg·Et."
723	11	*delete* "in."
732	1	col. 7 *insert* "– – –."
732	22	col. 6 *for* "– –" *read* "– – –."
864	6*	*for* "Six grams" *read* "2·16 grams."
1354	2*	,, "20" *read* "40."
1938	12	*insert* "Density of methyl iodide at $\frac{25^\circ}{25^\circ} = 2{\cdot}24603$."
1938	20	*for* "50·8072" *read* "41·4518."
1951	5	,, "phototropic" *read* "thermotropic."
1957	24	*omit* "-3-carboxylic acid."
1957	25	*alter formula to* "CMeEt  CMe."
1958	13	*for* "acid" *read* "ester."
1960	7*	,, "hydroxy-acid" *read* "dihydrophenol."

* From bottom.